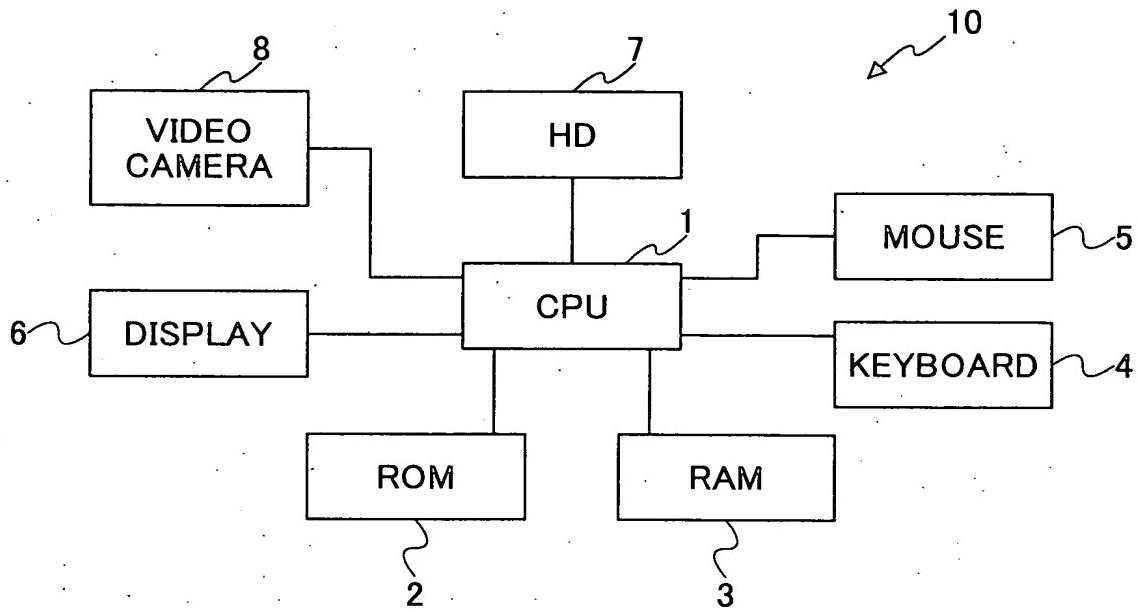
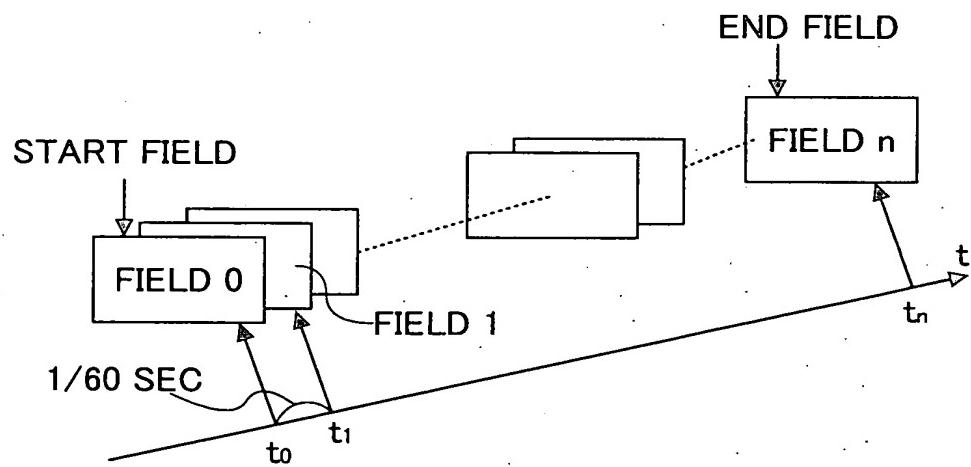


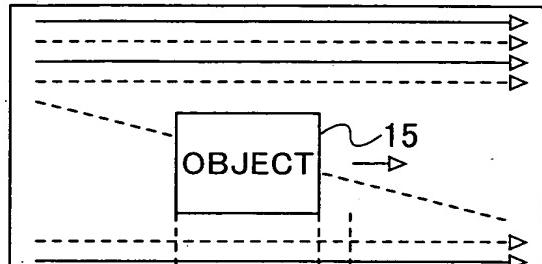
**FIG.1**



**FIG.2**



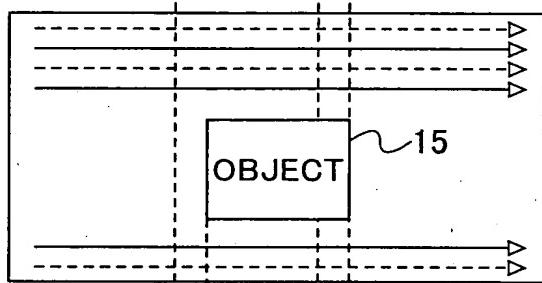
**FIG.3A**



**INTERLACED IMAGE A**

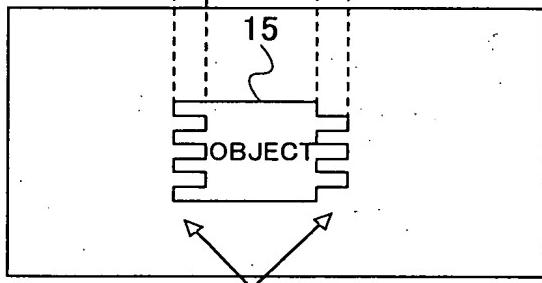
↓  
1/60 SEC LATER

**FIG.3B**



**INTERLACED IMAGE B**

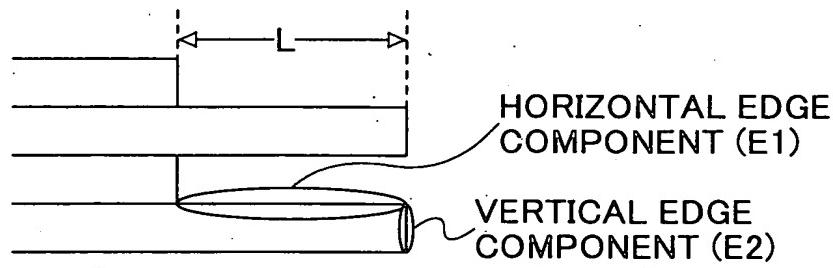
**FIG.3C**



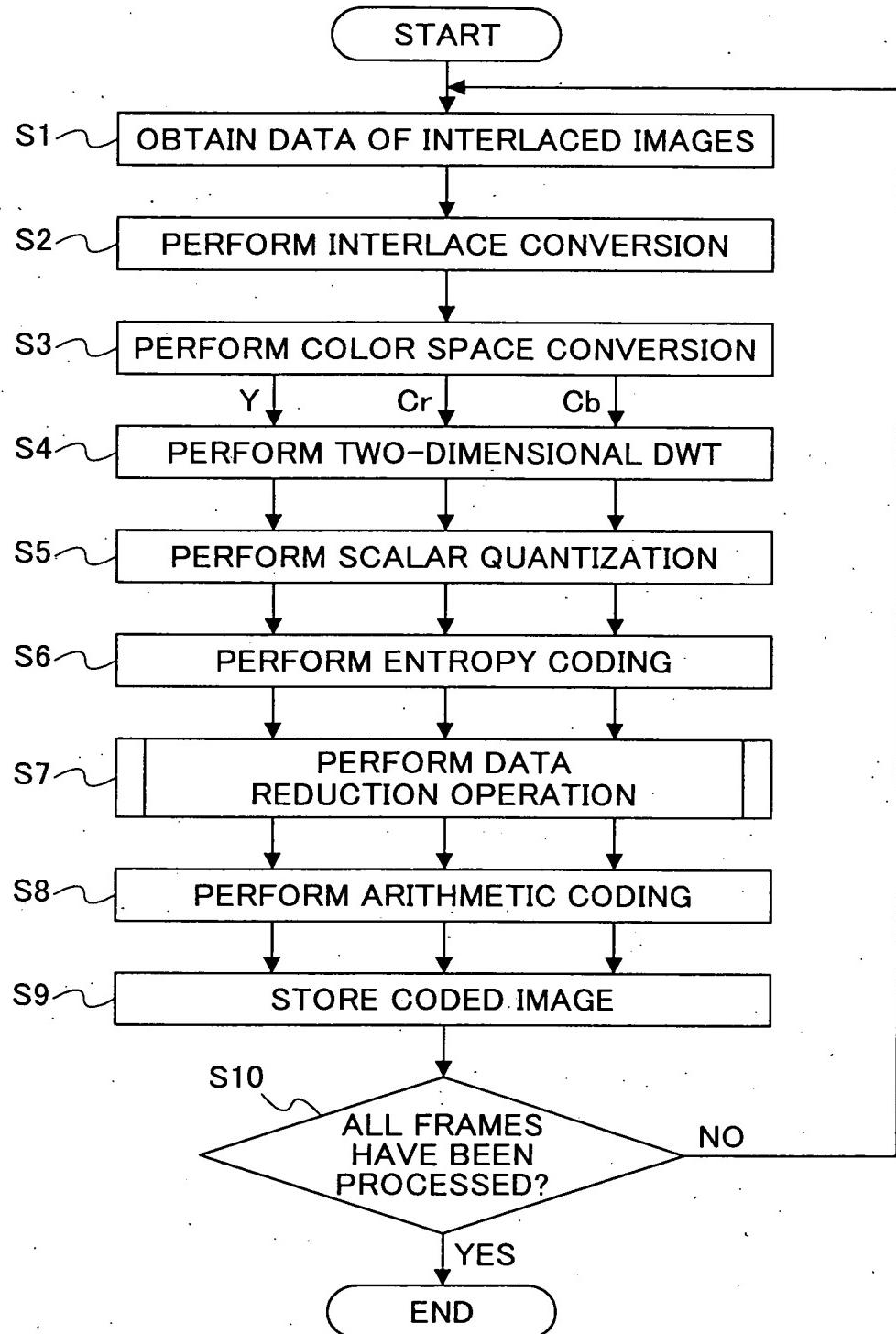
**NON-INTERLACED  
IMAGE**

**(INTERLACED IMAGE A  
+  
INTERLACED IMAGE B)**

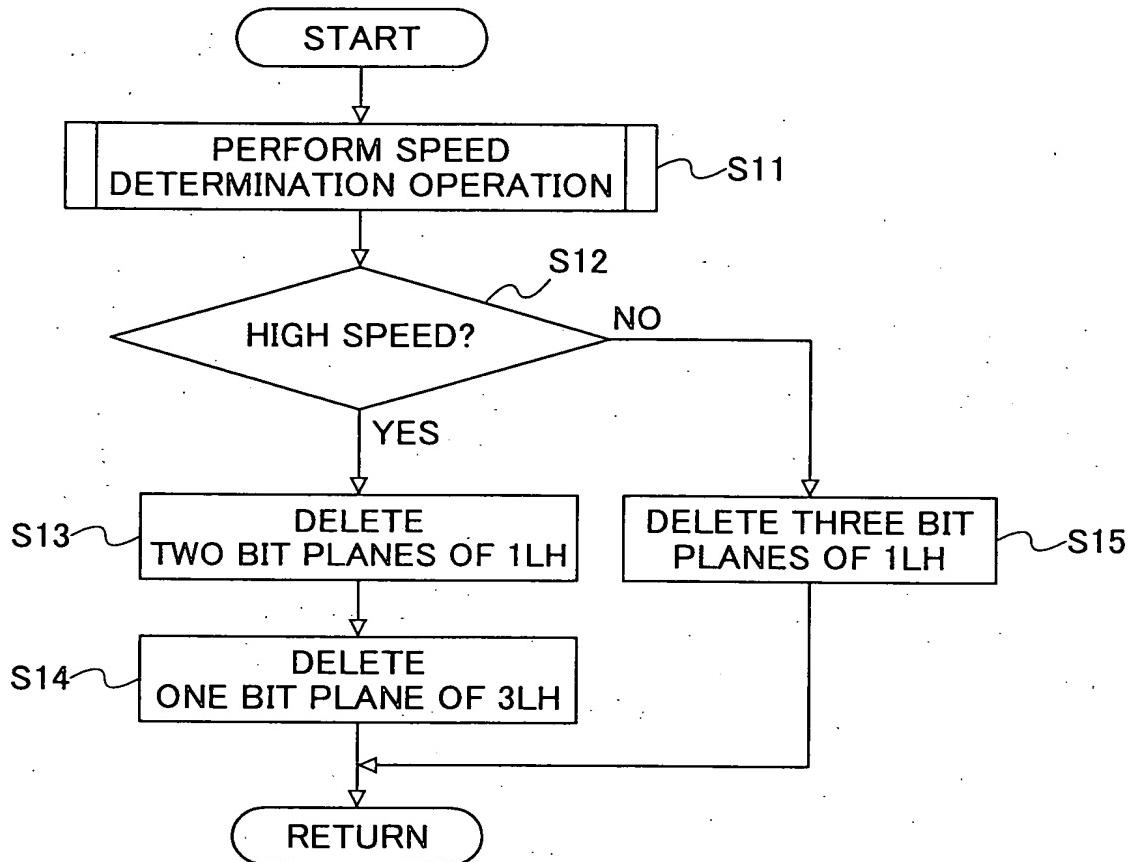
**FIG.3D**



**FIG.4**



**FIG.5**



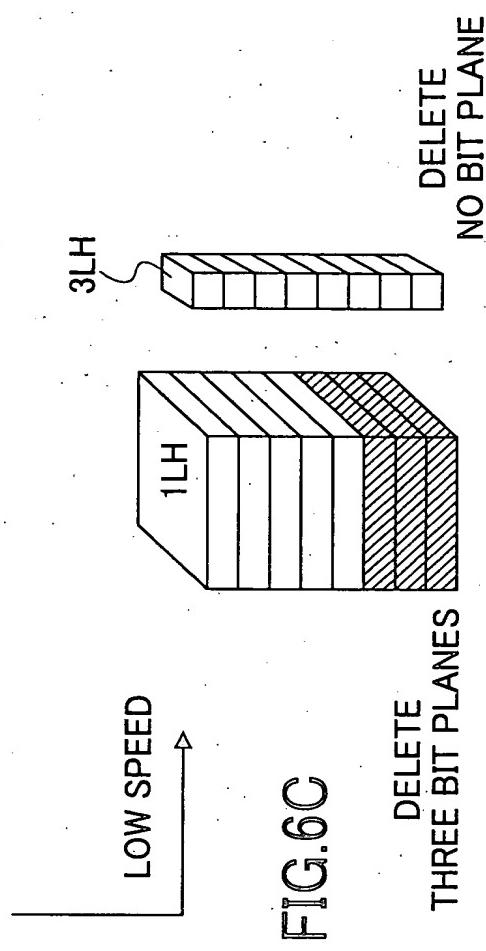
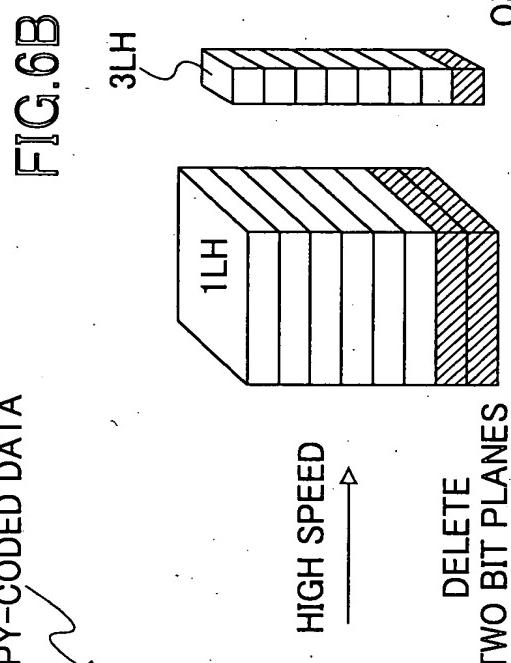
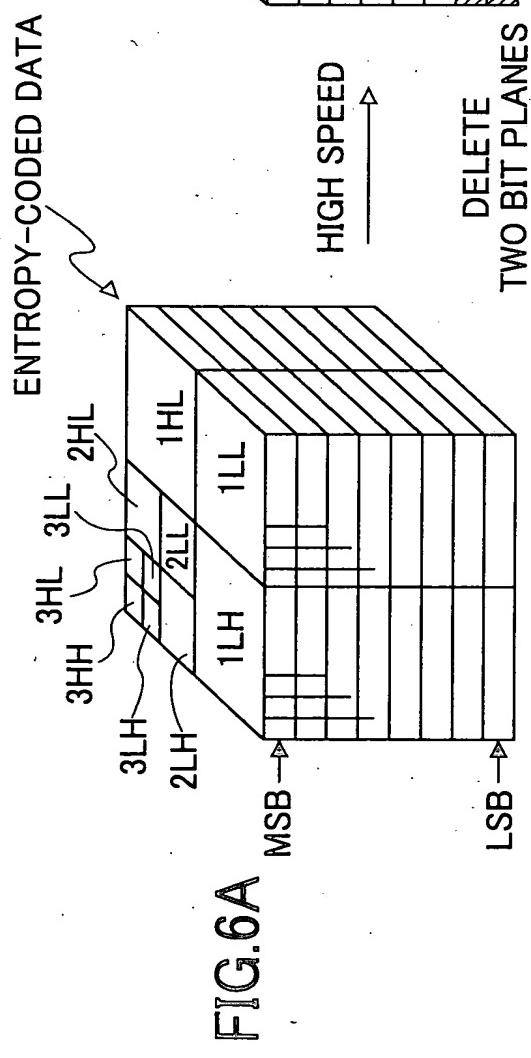


FIG.7

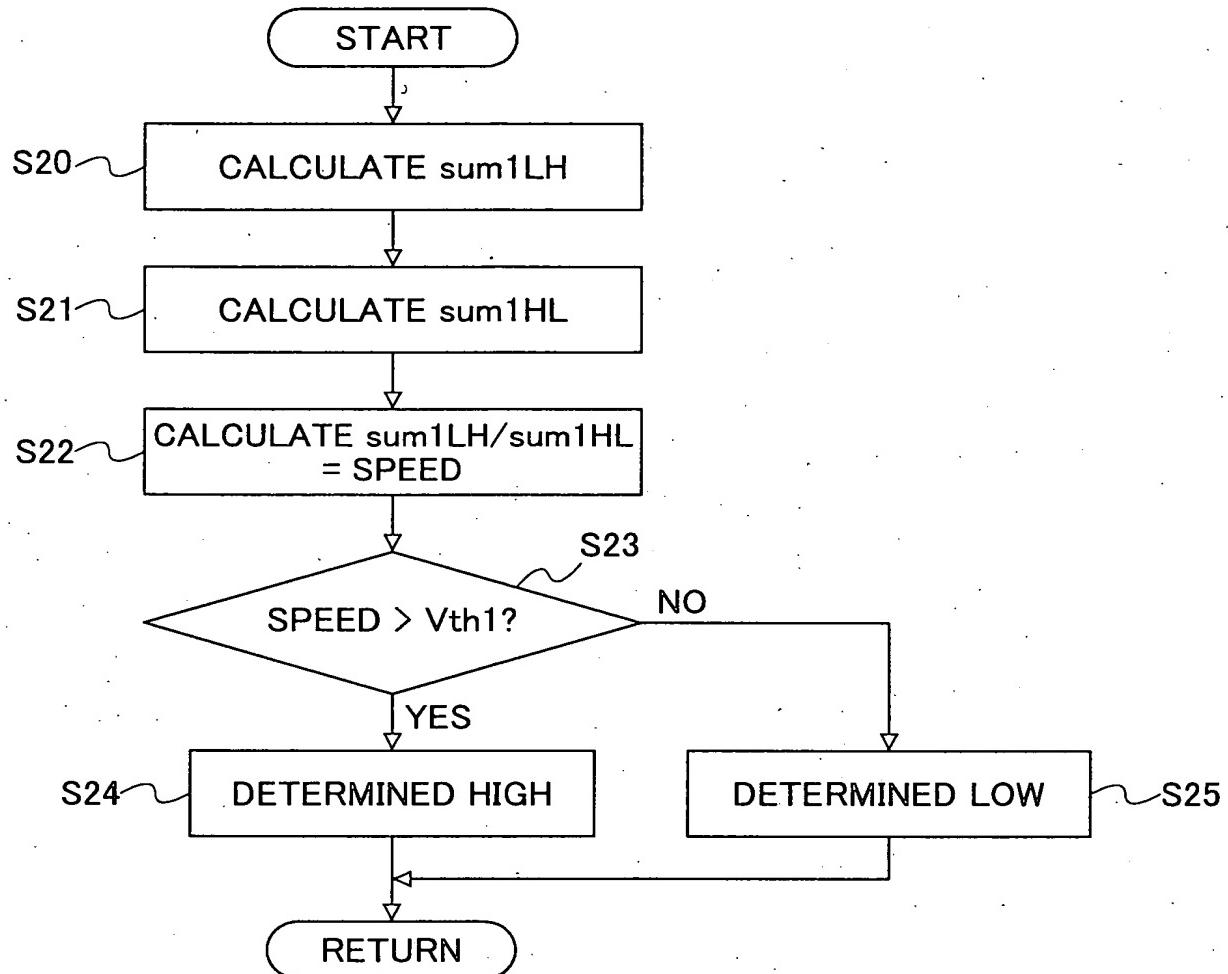


FIG.8

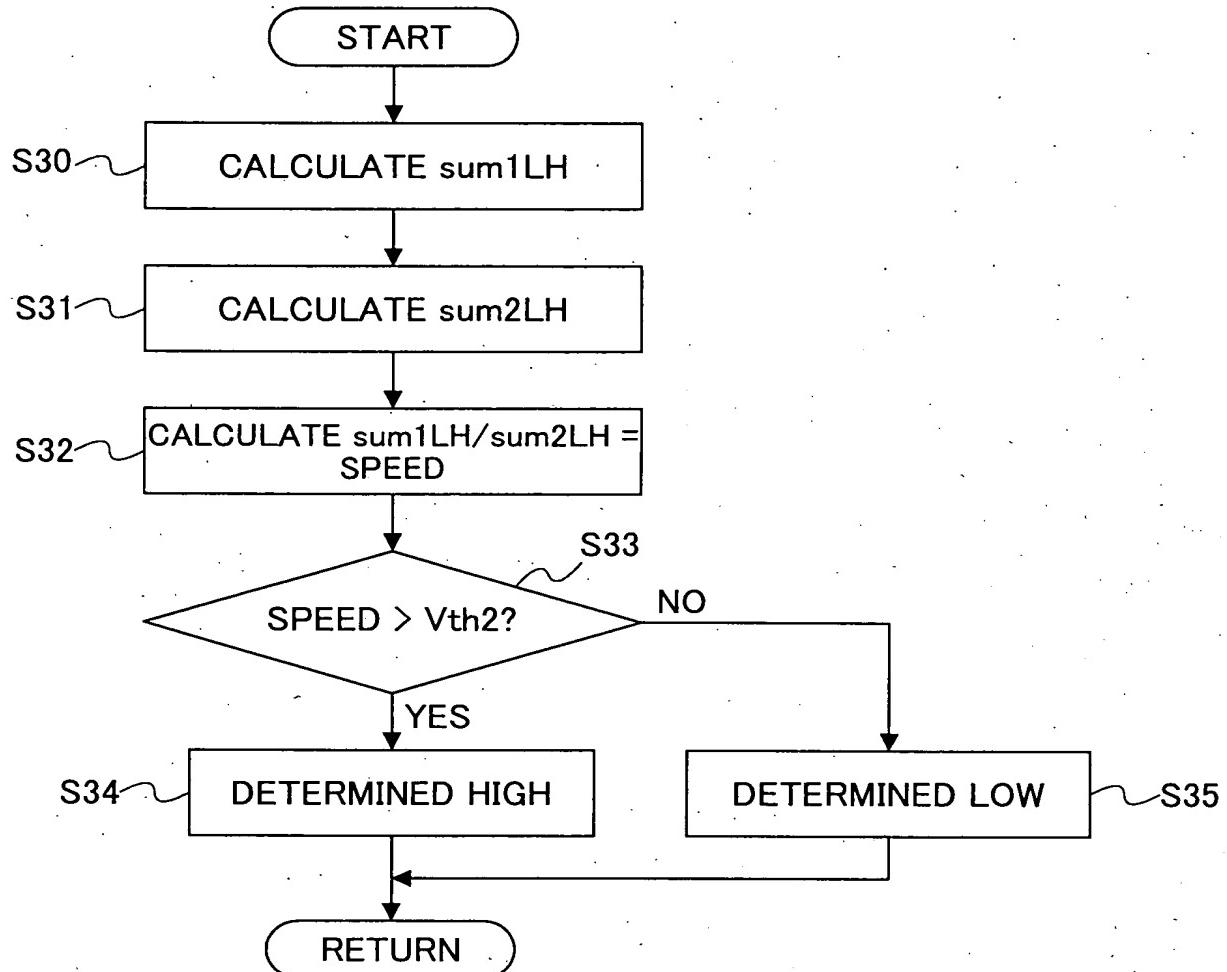


FIG.9

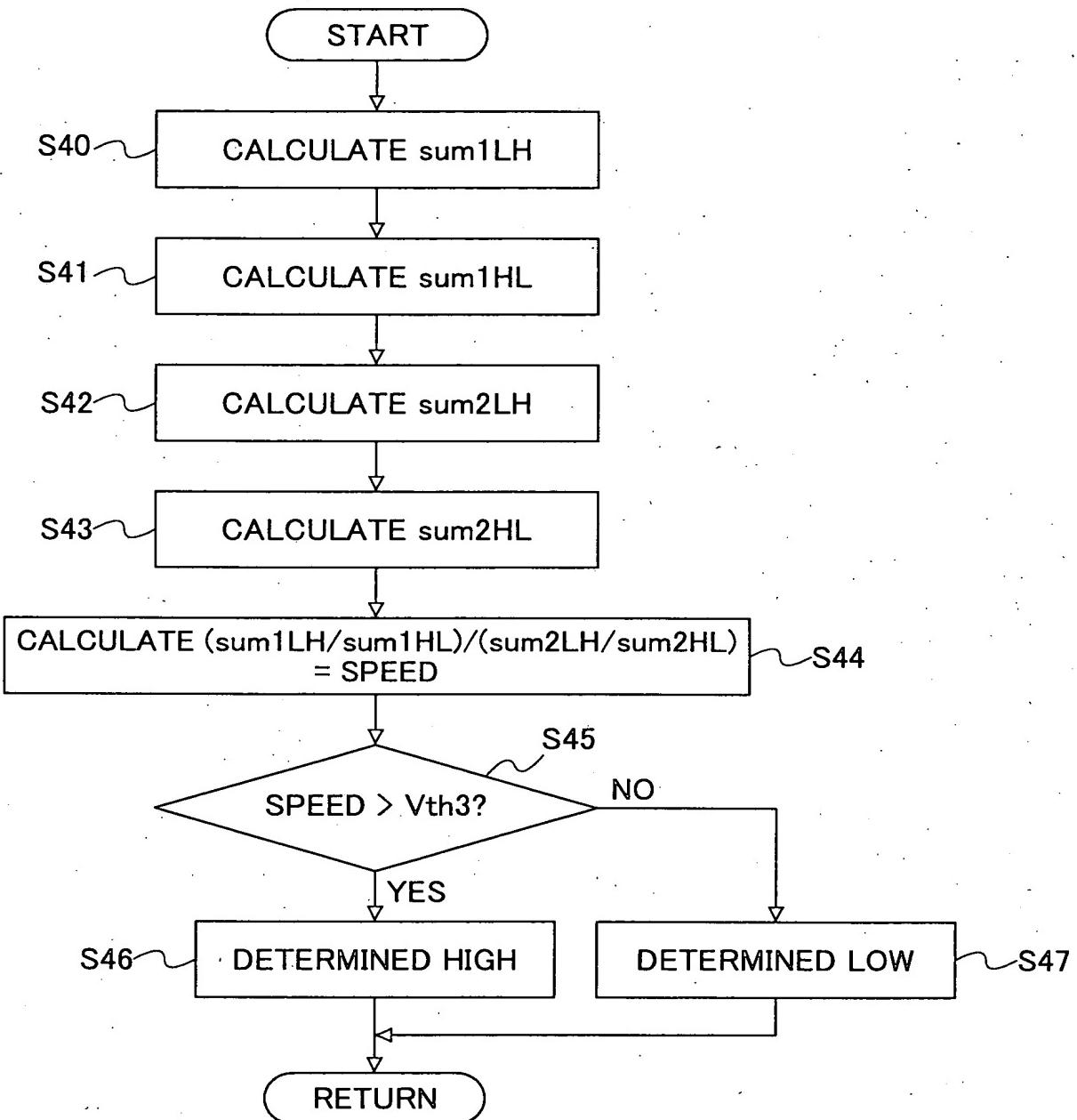


FIG.10

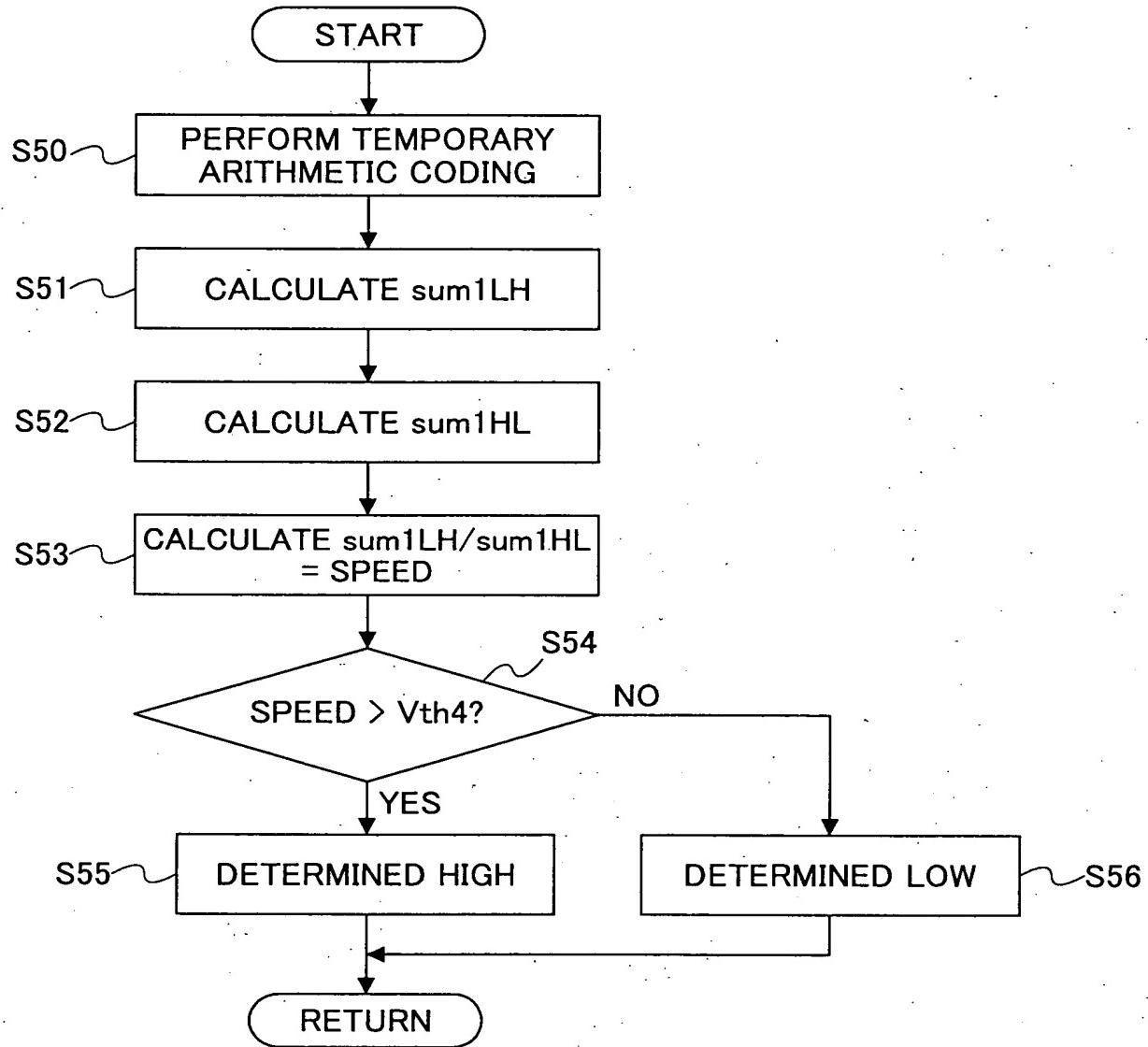


FIG.11

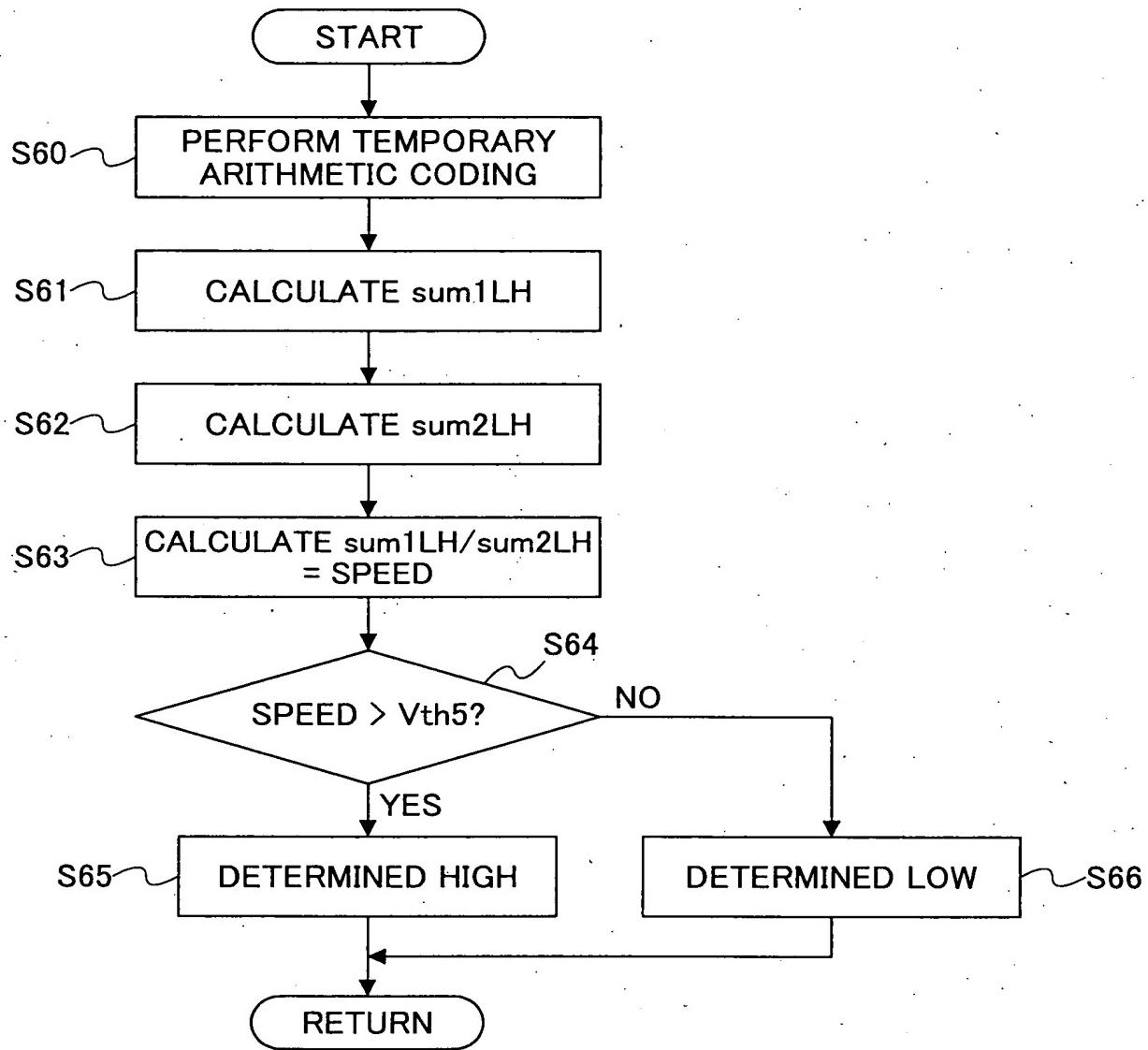


FIG.12

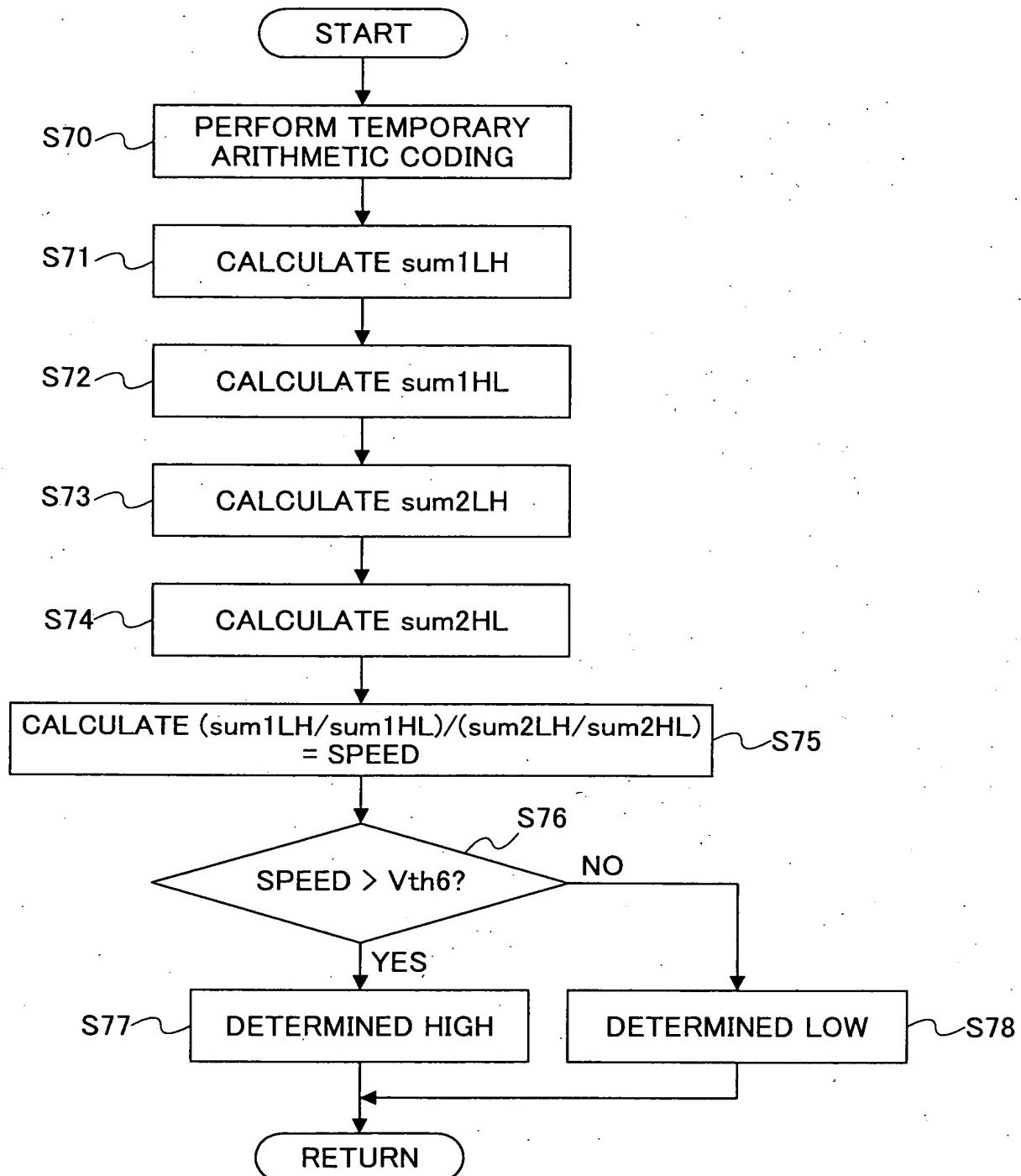


FIG.13

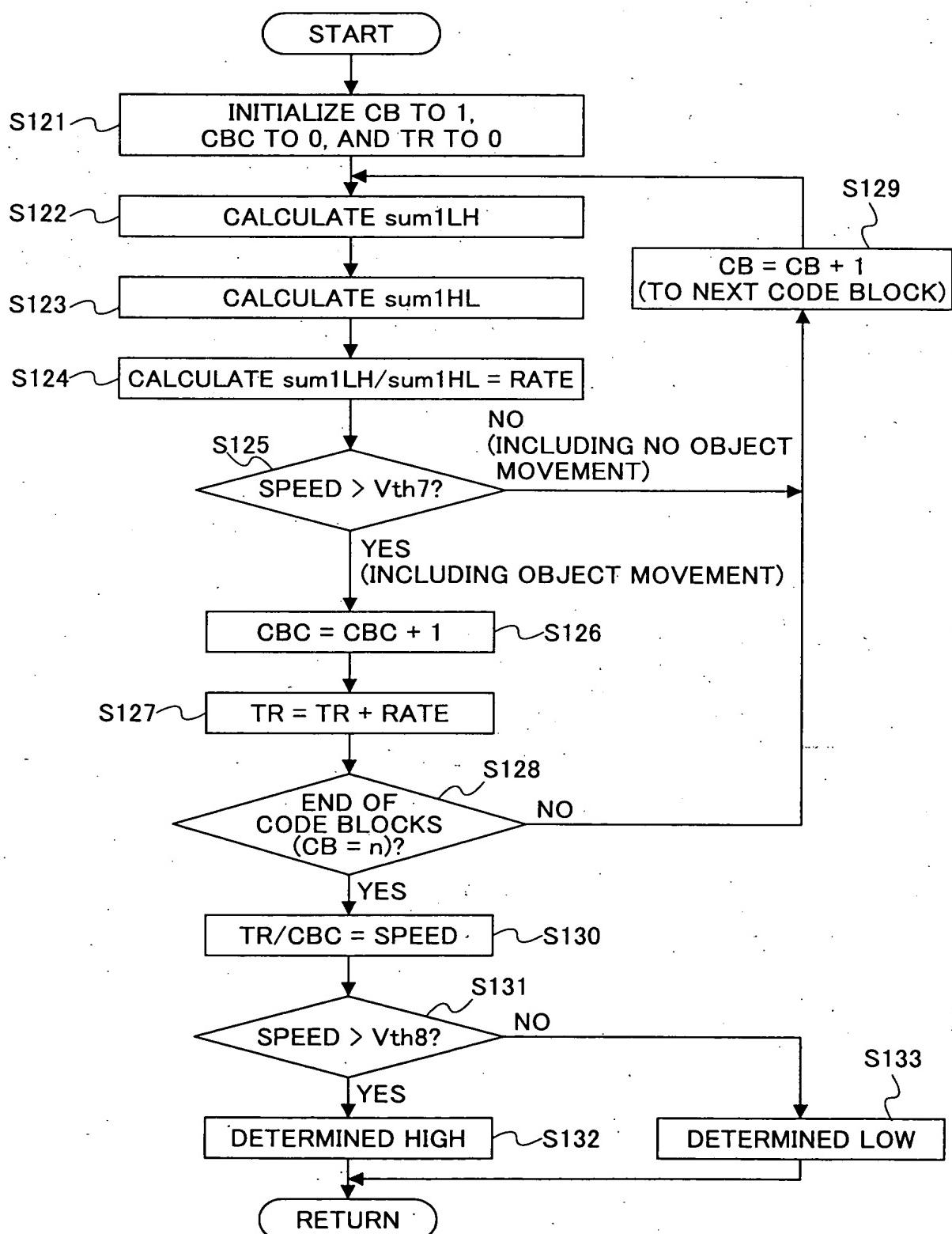


FIG.14

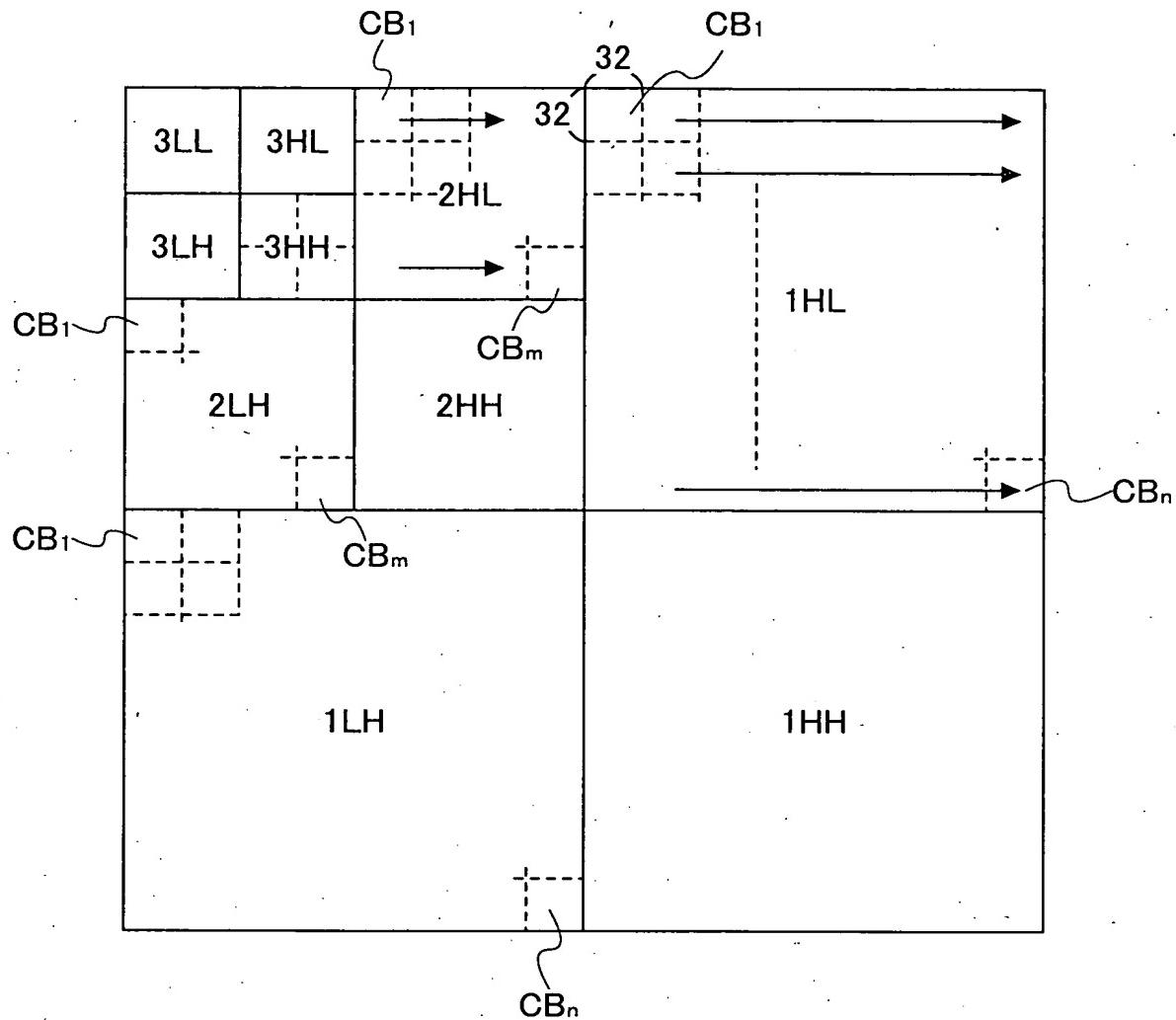


FIG.15

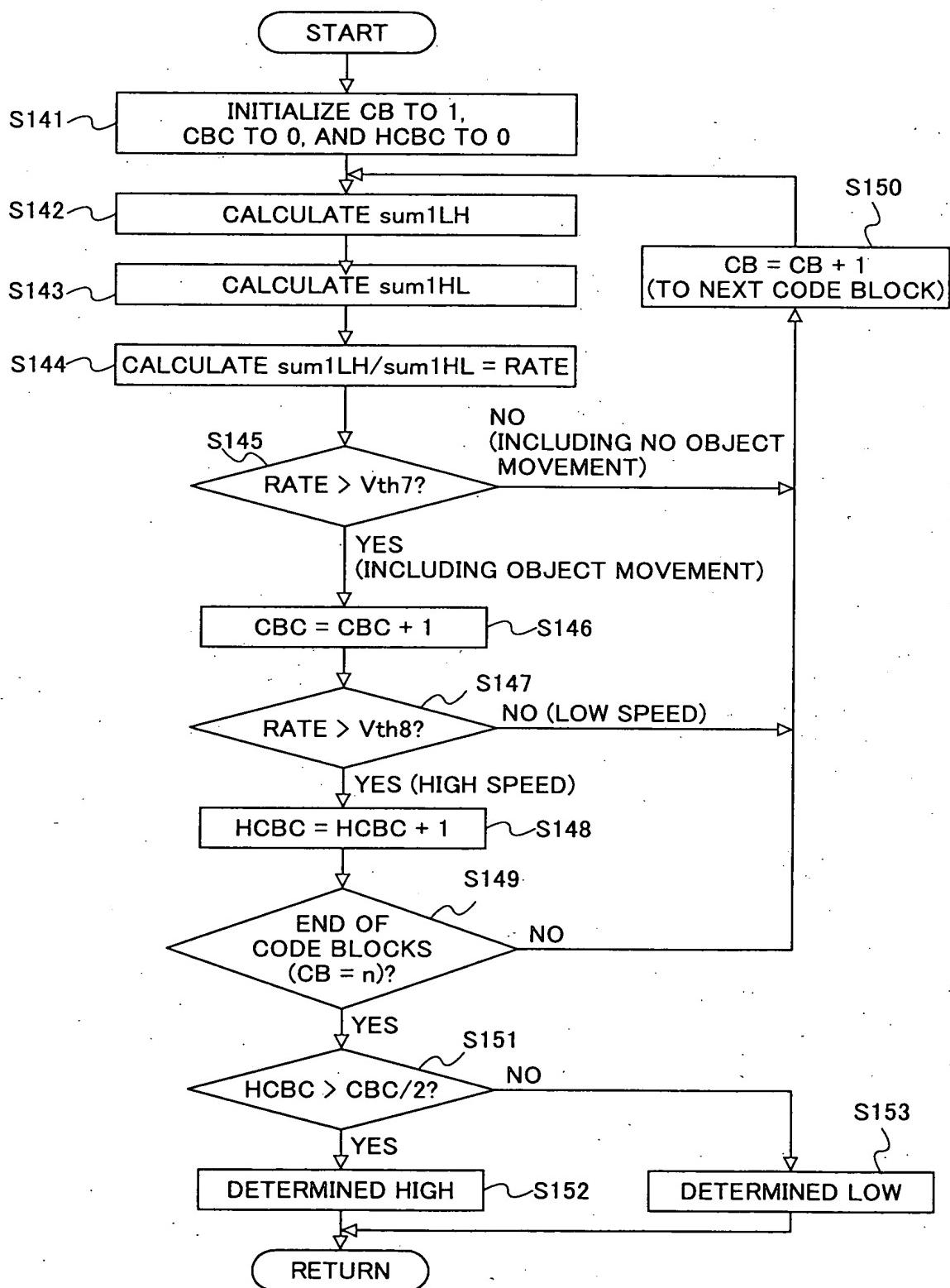


FIG.16

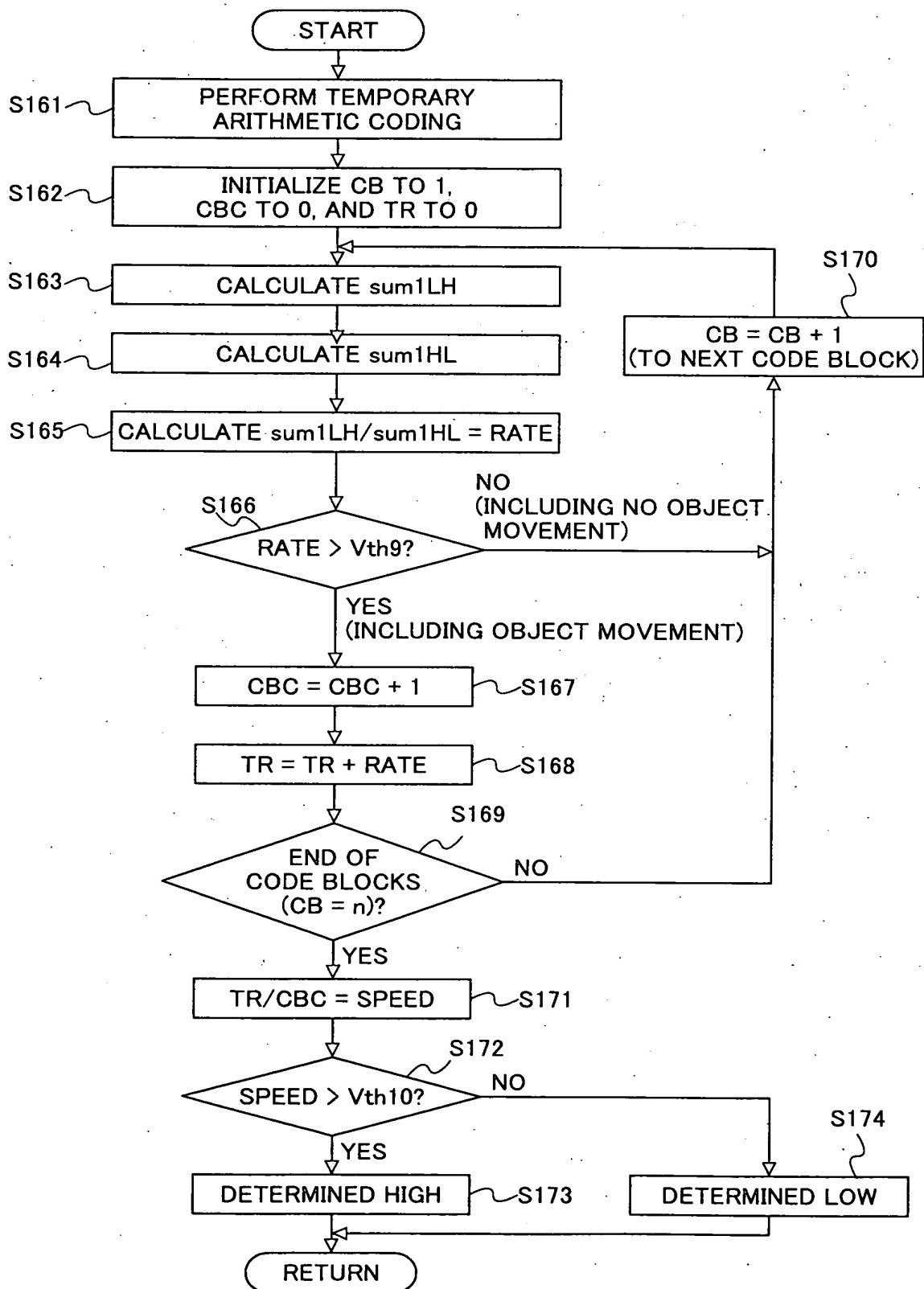


FIG.17

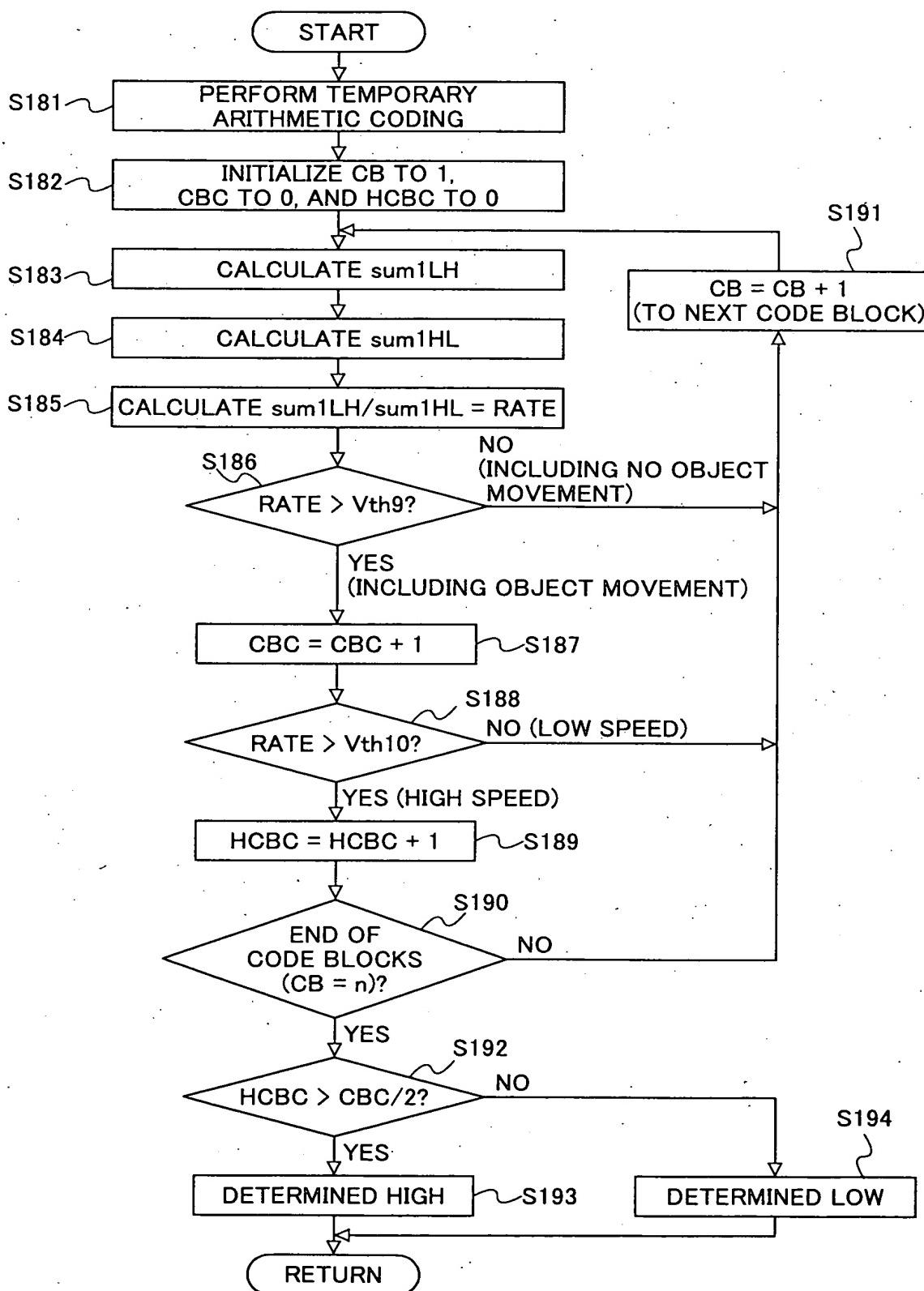
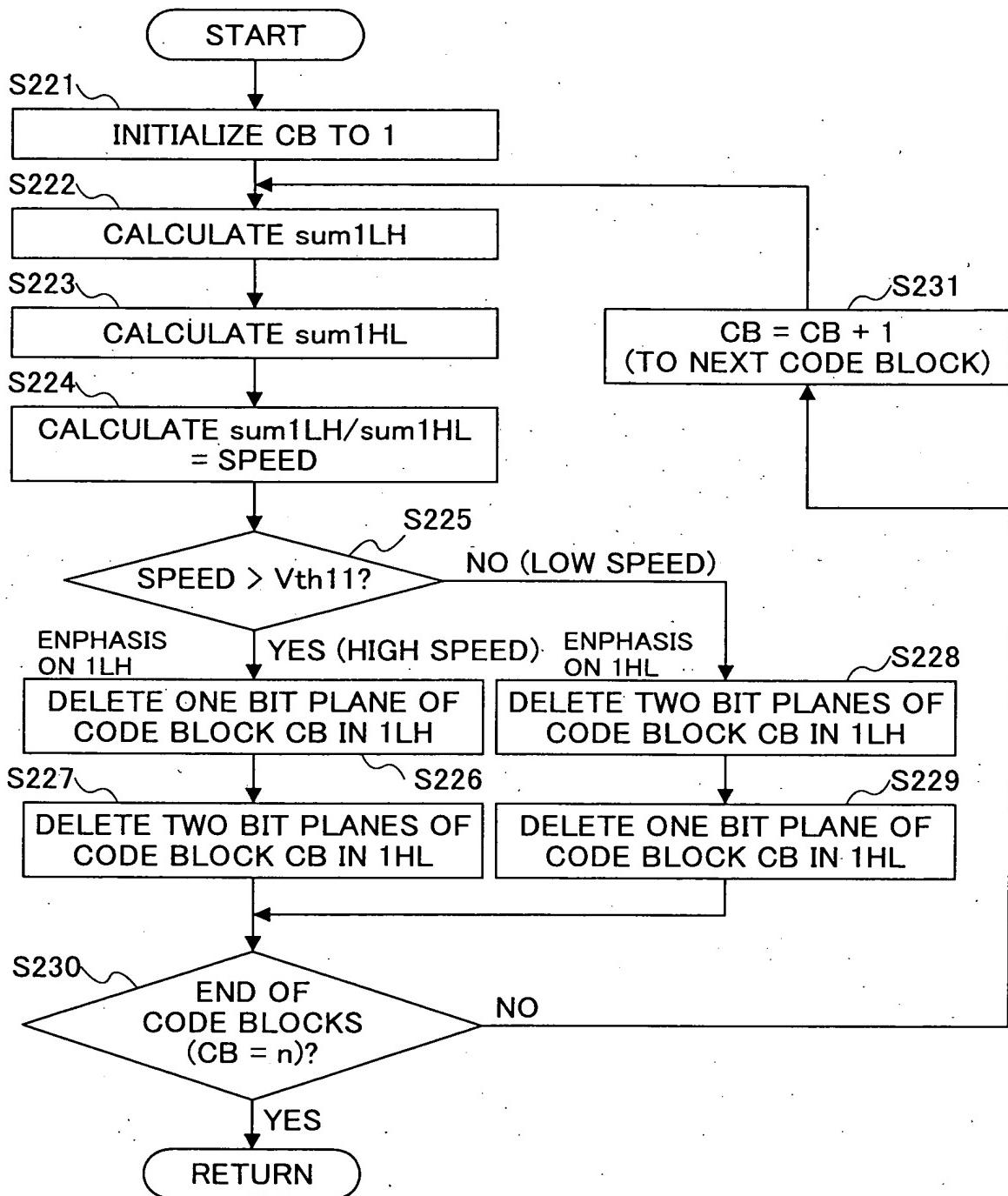
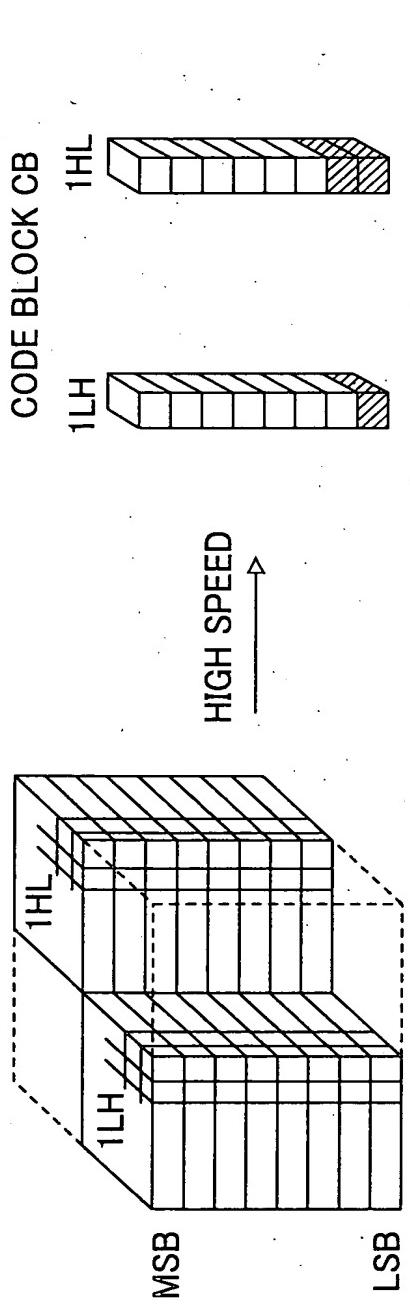


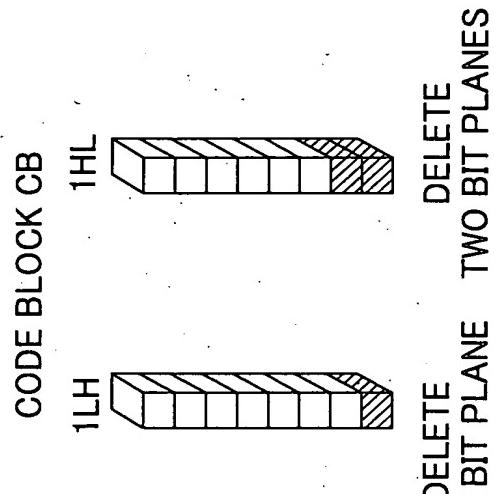
FIG.18



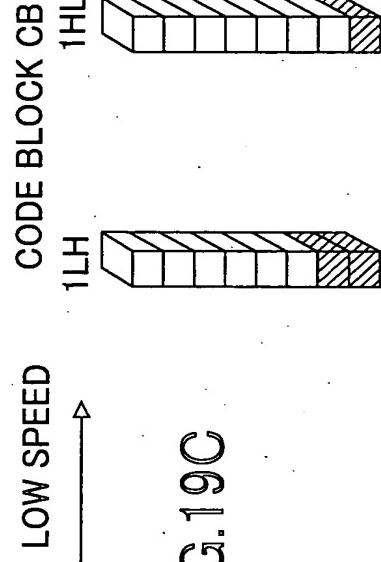
**FIG. 19A**



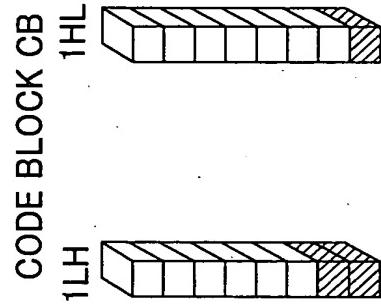
**FIG. 19B**



DELETE  
ONE BIT PLANE      TWO BIT PLANES



LOW SPEED  
→



**FIG. 19C**

DELETE  
TWO BIT PLANES      ONE BIT PLANE

FIG.20

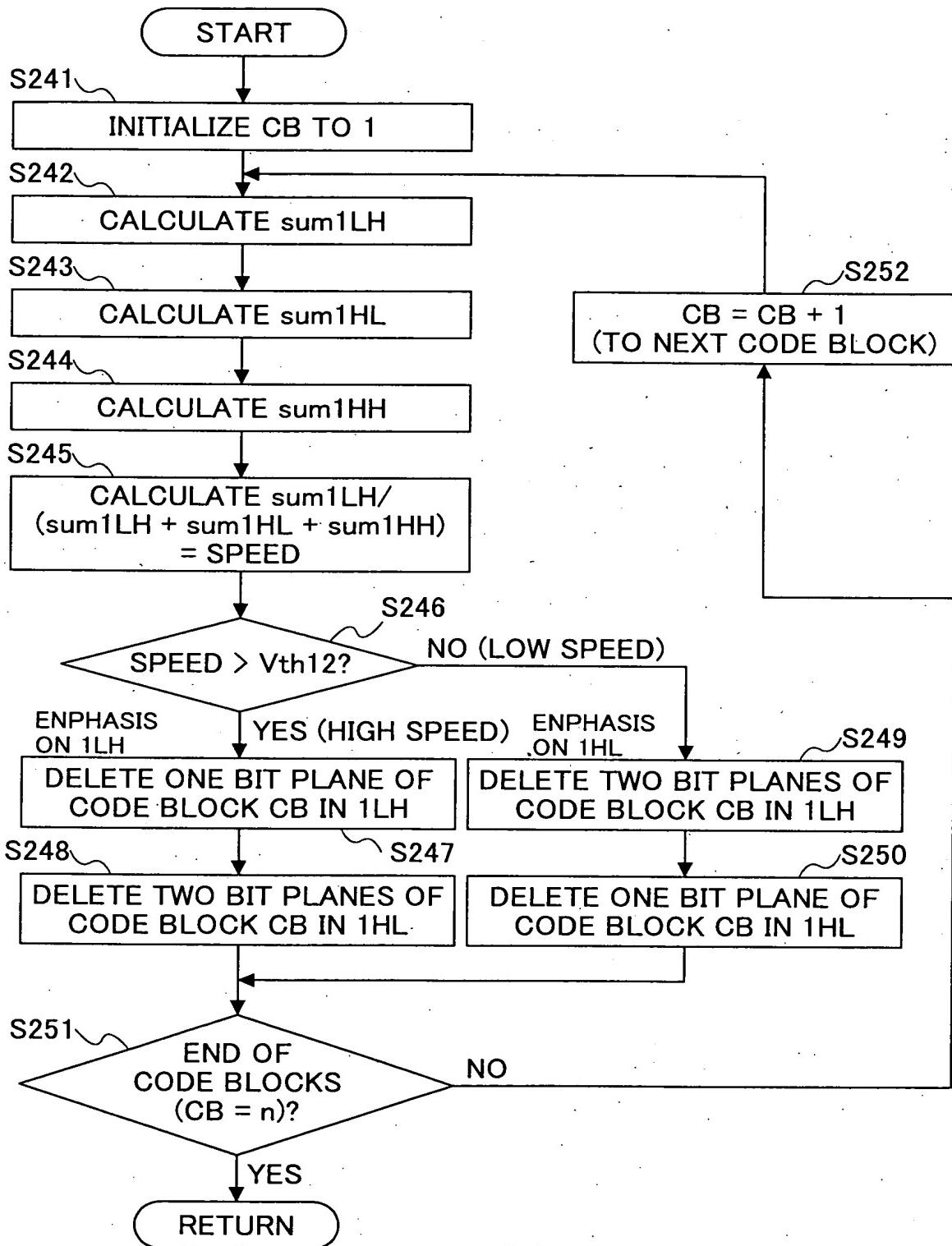


FIG.21

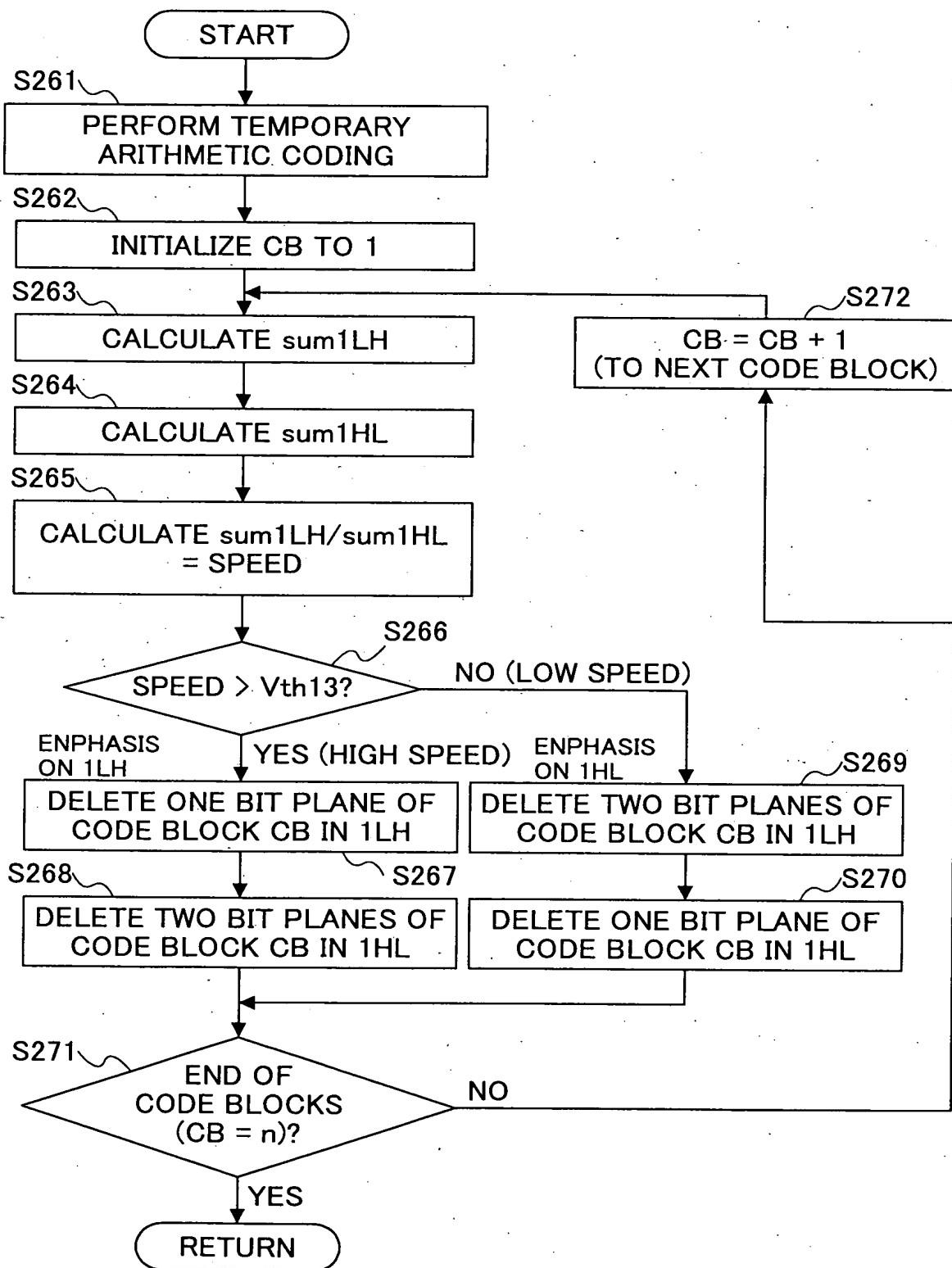
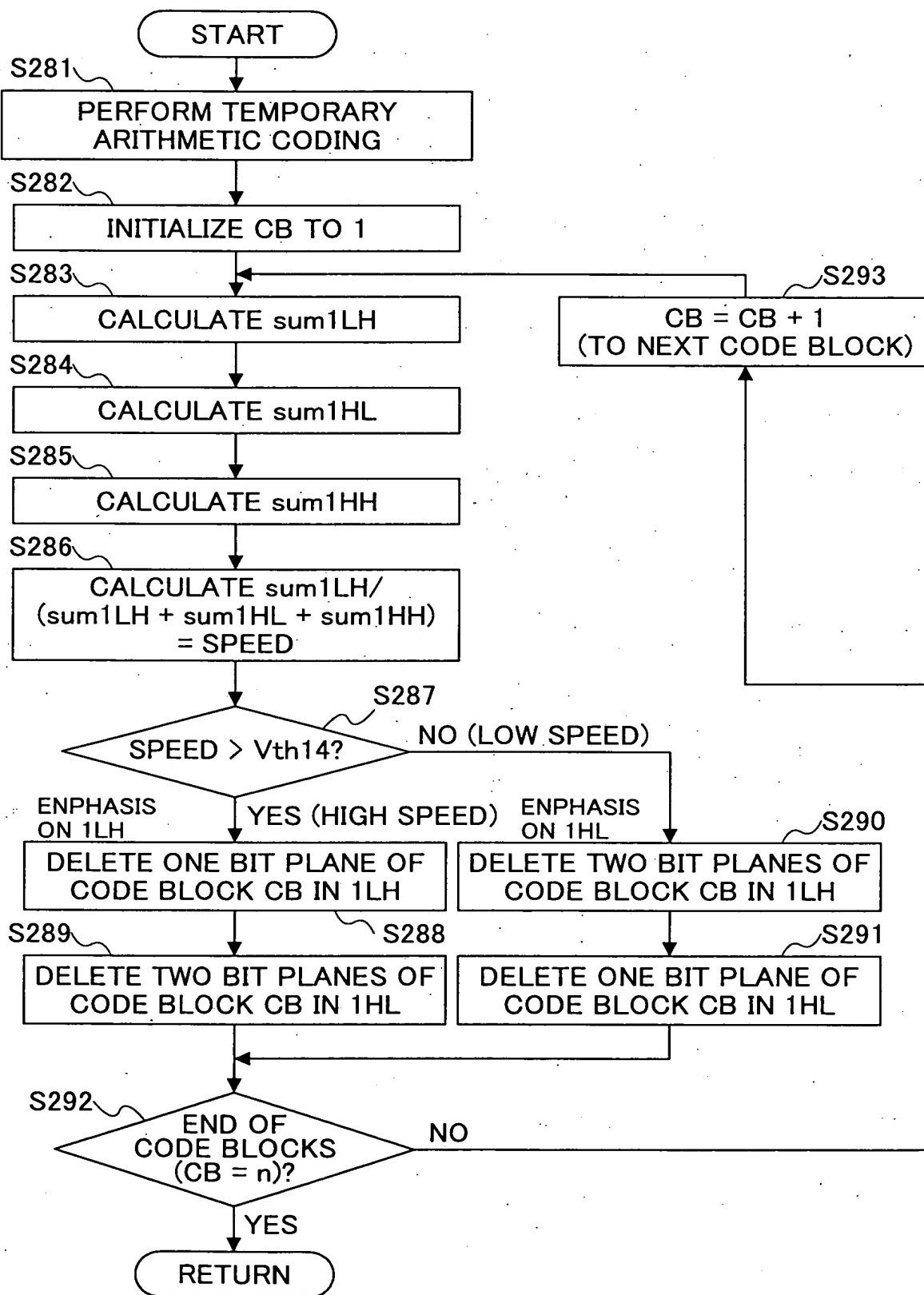
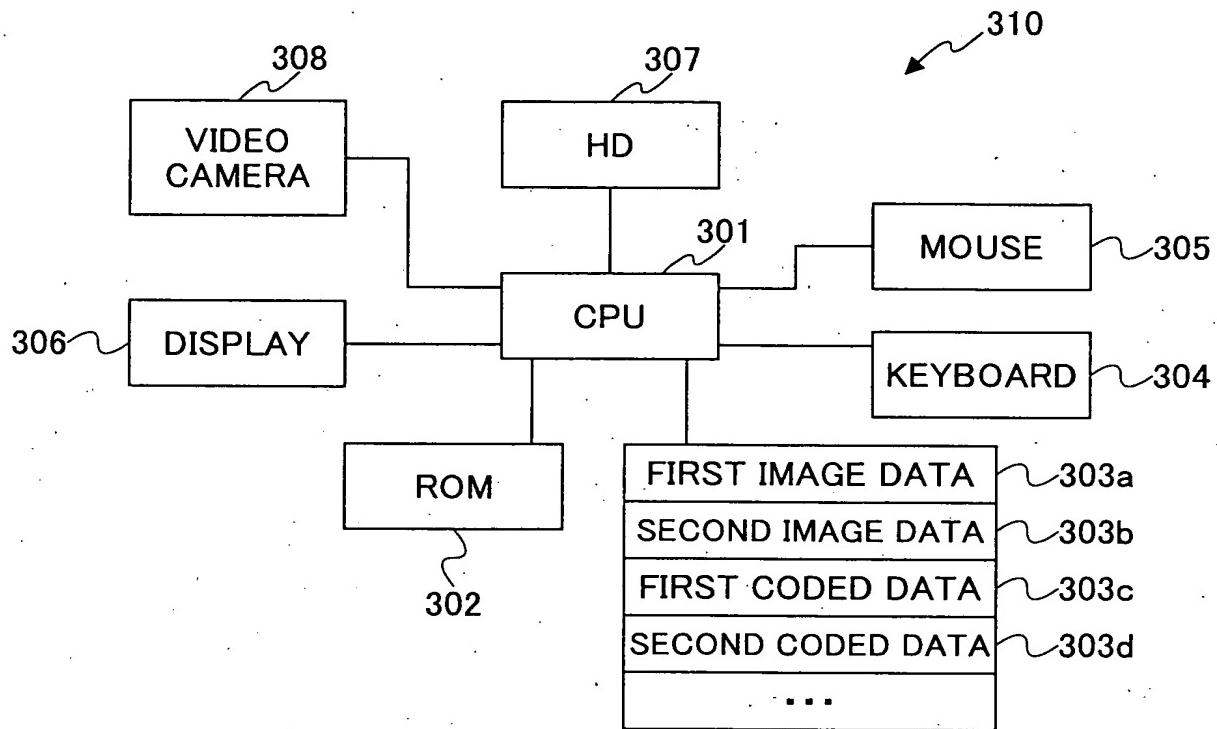


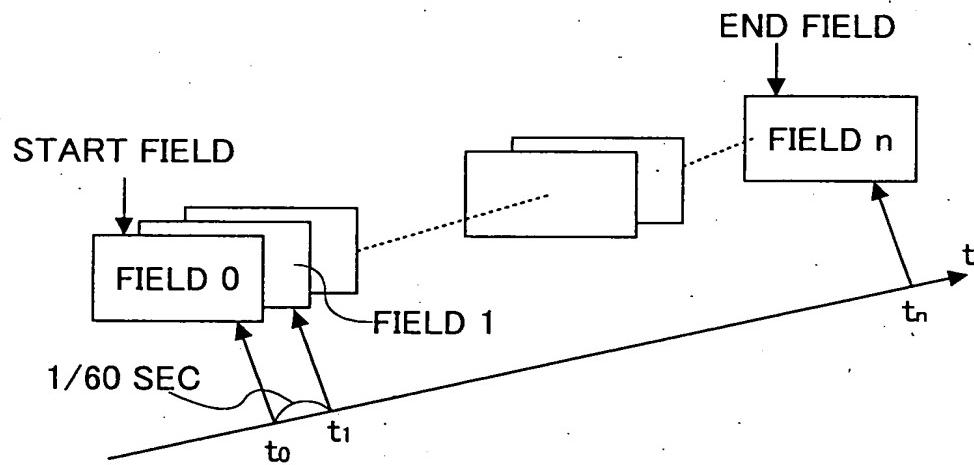
FIG.22



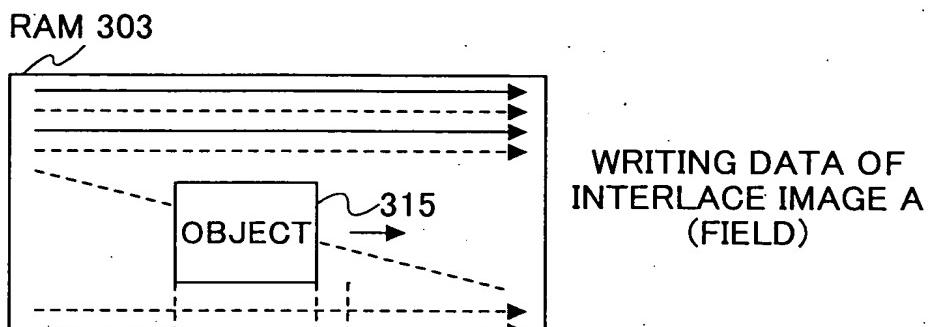
### FIG.23



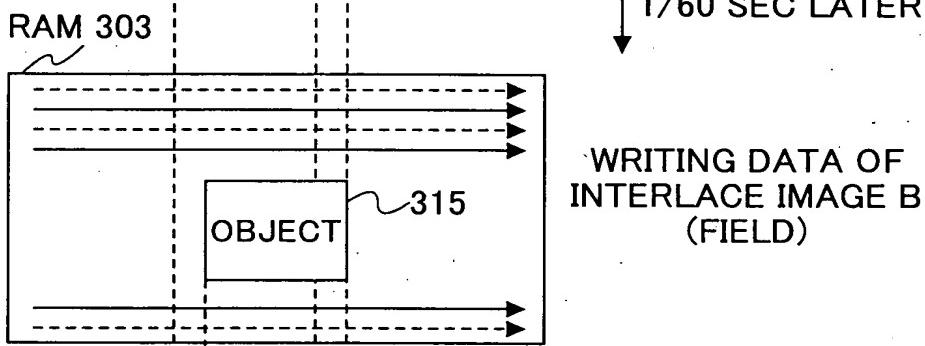
### FIG.24



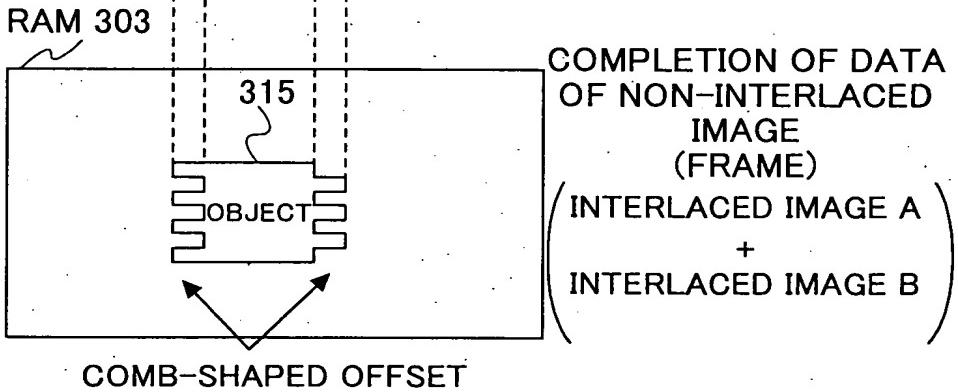
**FIG.25A**



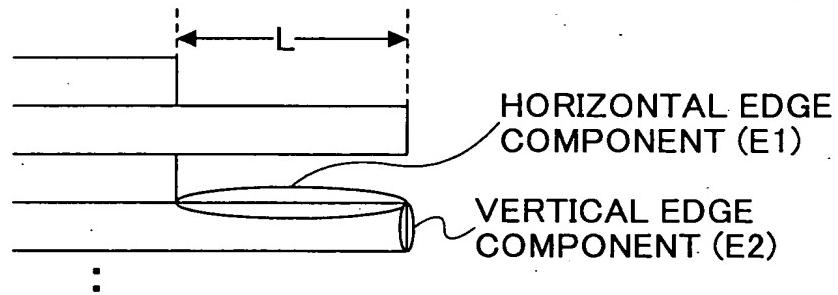
**FIG.25B**



**FIG.25C**



**FIG.25D**



**FIG.26**

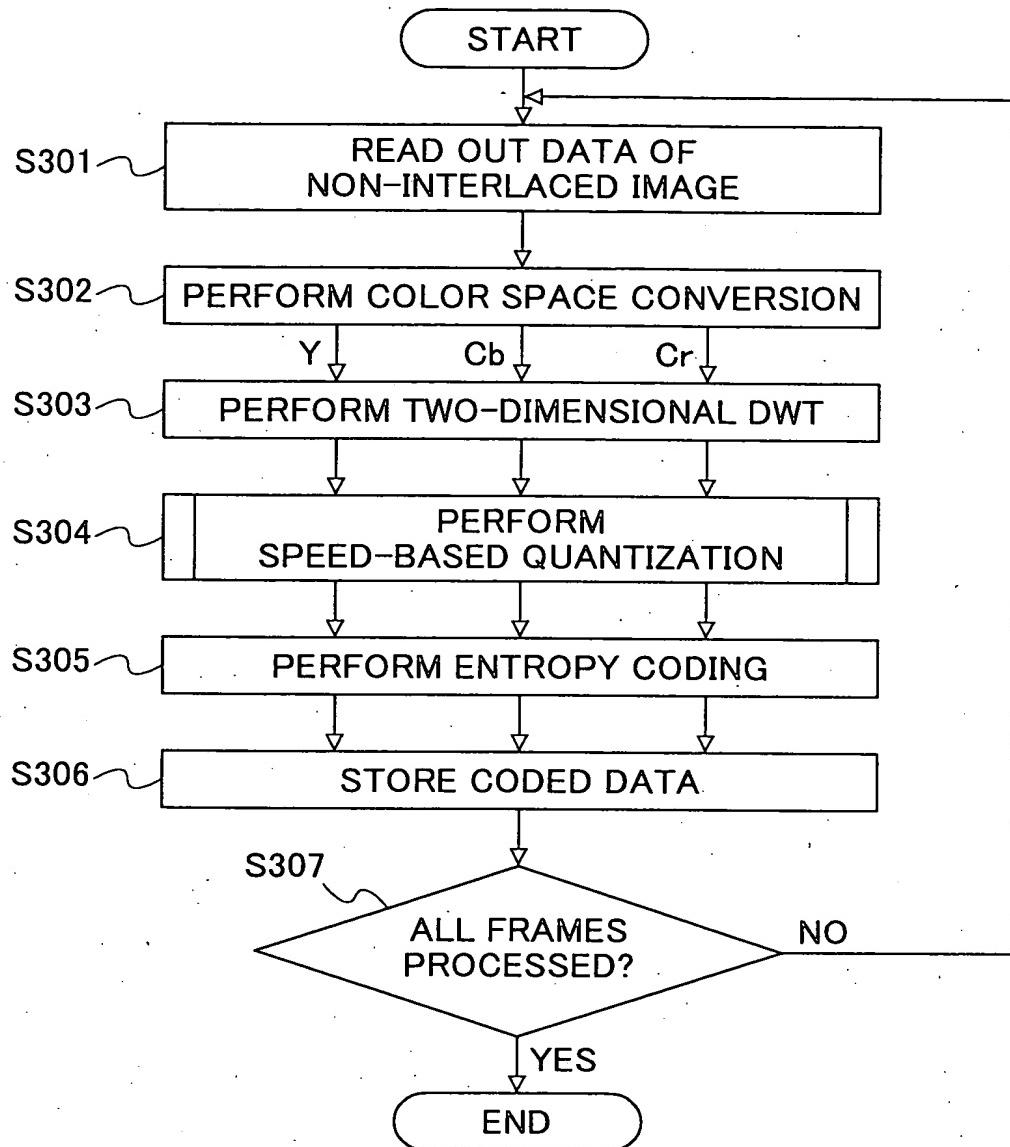


FIG.27

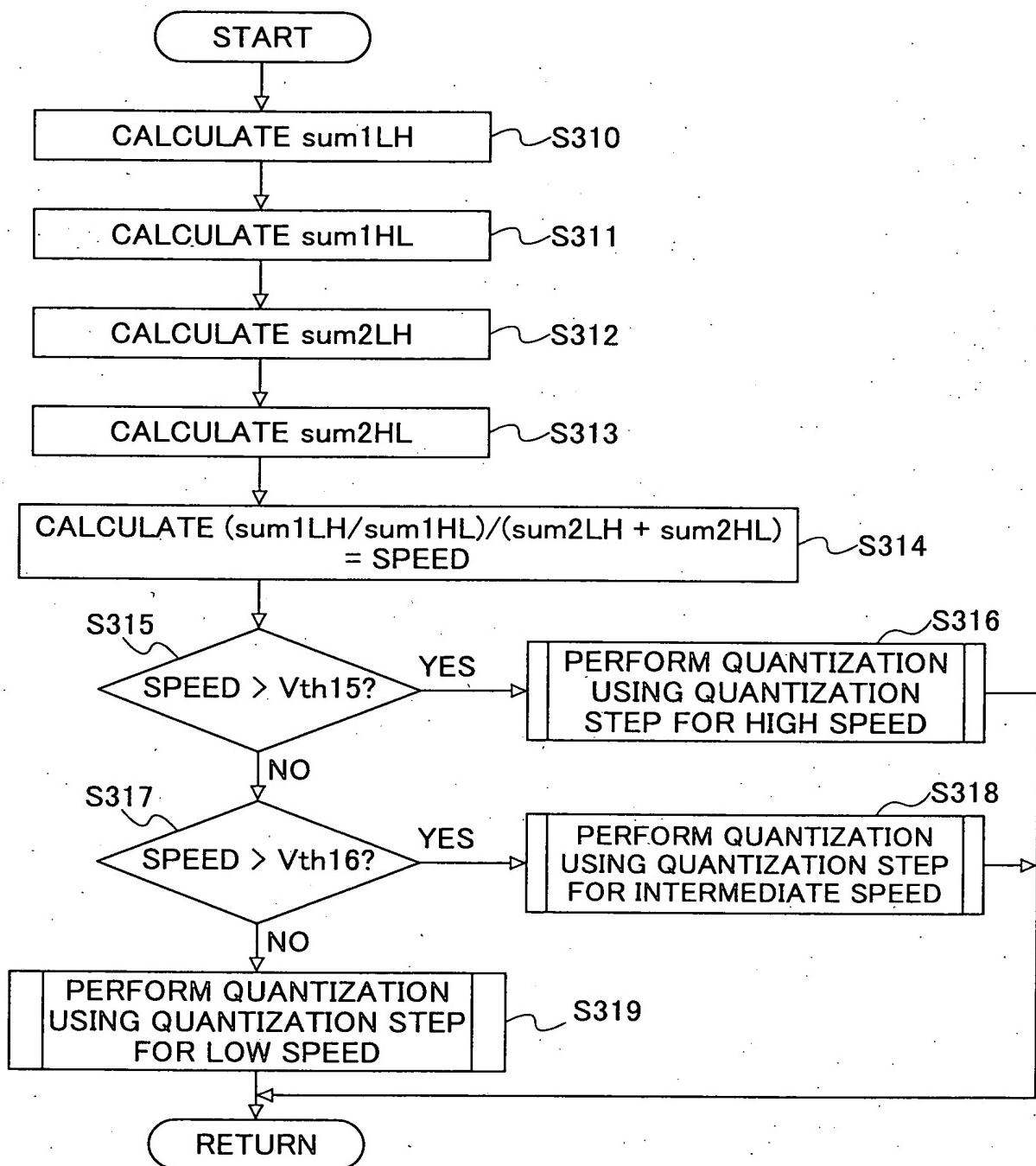
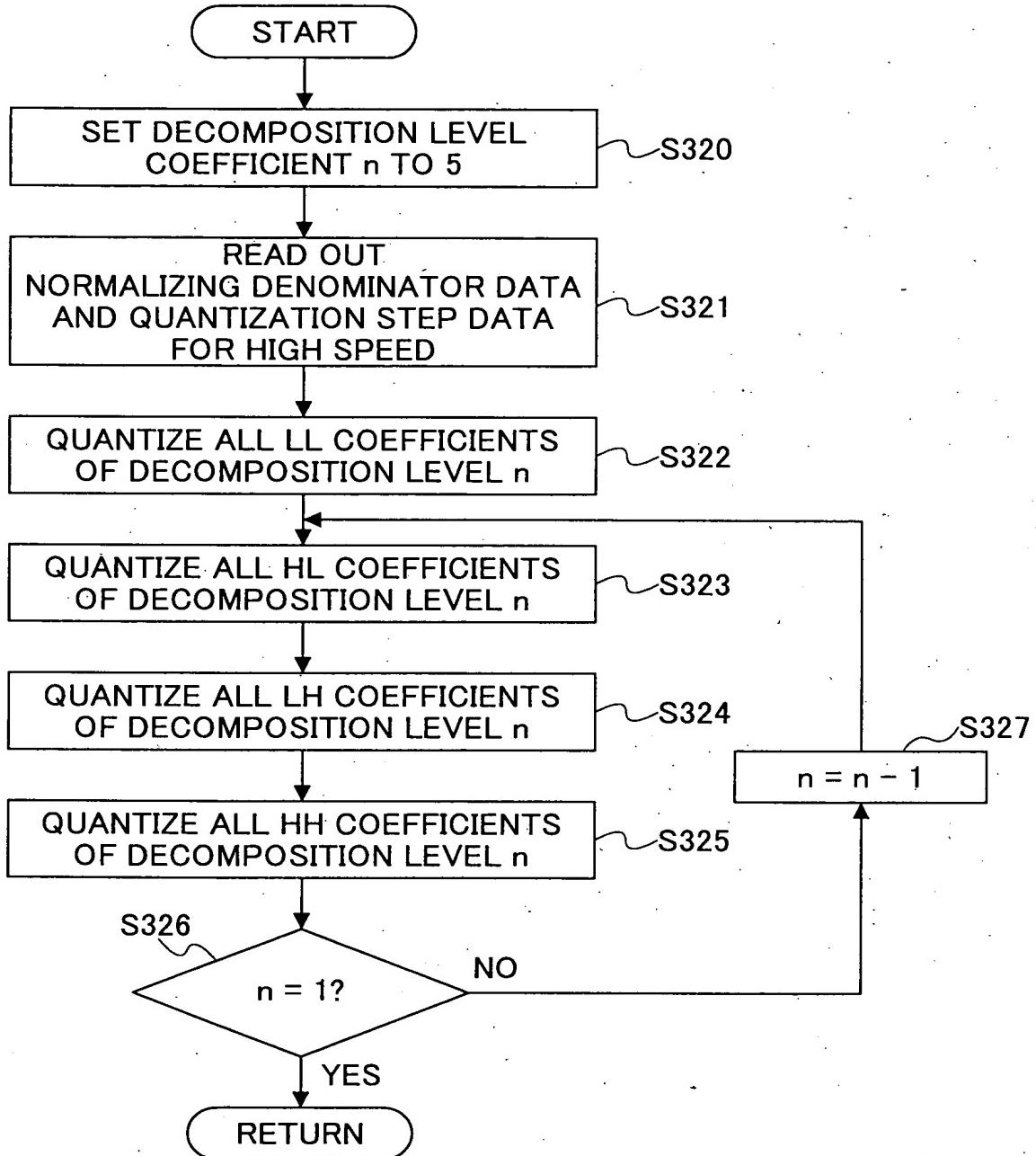


FIG.28



**FIG.29A**

Y	DECOMPOSITION LEVEL				
	5	4	3	2	1
LL	0.03				
HL	0.07	0.14	0.28	0.58	1.14
LH	0.07	0.14	0.28	0.58	1.14
HH	0.13	0.27	0.56	1.19	2.22

**FIG.29B**

Cb	DECOMPOSITION LEVEL				
	5	4	3	2	1
LL	0.03				
HL	0.06	0.13	0.26	0.55	1.10
LH	0.06	0.13	0.26	0.55	1.10
HH	0.13	0.26	0.53	1.15	2.13

**FIG.29C**

Cr	DECOMPOSITION LEVEL				
	5	4	3	2	1
LL	0.04				
HL	0.07	0.15	0.30	0.64	1.26
LH	0.07	0.15	0.30	0.64	1.26
HH	0.15	0.30	0.61	1.31	2.44

**FIG.30A**

Y	DECOMPOSITION LEVEL				
	5	4	3	2	1
LL	1.00				
HL	1.00	1.00	1.00	1.00	0.76
LH	1.00	1.00	1.00	1.00	0.76
HH	1.00	1.00	1.00	1.00	0.57

**FIG.30B**

Cb	DECOMPOSITION LEVEL				
	5	4	3	2	1
LL	1.00				
HL	0.88	0.79	0.65	0.45	0.23
LH	0.88	0.79	0.65	0.45	0.23
HH	0.83	0.71	0.53	0.31	0.11

**FIG.30C**

Cr	DECOMPOSITION LEVEL				
	5	4	3	2	1
LL	1.00				
HL	0.91	0.84	0.73	0.55	0.34
LH	0.91	0.84	0.73	0.55	0.34
HH	0.87	0.78	0.63	0.42	0.20

**FIG.31A**

	DECOMPOSITION LEVEL				
	5	4	3	2	1
LL	0.03				
HL	0.07	0.14	0.28	0.58	1.51
LH	0.07	0.14	0.28	0.58	1.51
HH	0.13	0.27	0.56	1.20	3.87

**FIG.31B**

	DECOMPOSITION LEVEL				
	5	4	3	2	1
LL	0.03				
HL	0.07	0.16	0.41	1.23	4.75
LH	0.07	0.16	0.41	1.23	4.75
HH	0.15	0.36	1.00	3.71	18.72

**FIG.31C**

	DECOMPOSITION LEVEL				
	5	4	3	2	1
LL	0.04				
HL	0.08	0.18	0.42	1.15	3.74
LH	0.08	0.18	0.42	1.15	3.74
HH	0.17	0.38	0.98	3.14	12.19

**FIG.32A**

	DECOMPOSITION LEVEL				
	5	4	3	2	1
LL	1.00				
HL	1.00	1.00	1.00	0.86	0.31
LH	1.00	1.00	1.00	0.86	0.31
HH	1.00	1.00	1.00	0.74	0.11

**FIG.32B**

Cb	DECOMPOSITION LEVEL				
	5	4	3	2	1
LL	1.00				
HL	0.82	0.69	0.50	0.28	0.10
LH	0.82	0.69	0.50	0.28	0.10
HH	0.75	0.58	0.36	0.15	0.03

**FIG.32C**

Cr	DECOMPOSITION LEVEL				
	5	4	3	2	1
LL	1.00				
HL	0.86	0.76	0.60	0.39	0.18
LH	0.86	0.76	0.60	0.39	0.18
HH	0.80	0.67	0.47	0.25	0.08

**FIG.33A**

Y	DECOMPOSITION LEVEL				
	5	4	3	2	1
LL	0.03				
HL	0.07	0.14	0.28	0.67	3.72
LH	0.07	0.14	0.28	0.67	3.72
HH	0.13	0.27	0.56	1.61	20.38

**FIG.33B**

Cb	DECOMPOSITION LEVEL				
	5	4	3	2	1
LL	0.03				
HL	0.08	0.19	0.53	1.98	11.20
LH	0.08	0.19	0.53	1.98	11.20
HH	0.17	0.44	1.47	7.52	68.31

**FIG.33C**

Cr	DECOMPOSITION LEVEL				
	5	4	3	2	1
LL	0.04				
HL	0.09	0.20	0.51	1.64	7.08
LH	0.09	0.20	0.51	1.64	7.08
HH	0.18	0.44	1.30	5.29	31.68

**FIG.34A**

Y	DECOMPOSITION LEVEL				
	5	4	3	2	1
LL	1.00				
HL	1.00	1.00	0.92	0.41	0.04
LH	1.00	1.00	0.92	0.41	0.04
HH	1.00	1.00	0.85	0.18	0.00

**FIG.34B**

Cb	DECOMPOSITION LEVEL				
	5	4	3	2	1
LL	1.00				
HL	0.72	0.54	0.32	0.12	0.02
LH	0.72	0.54	0.32	0.12	0.02
HH	0.61	0.40	0.19	0.04	0.00

**FIG.34C**

Cr	DECOMPOSITION LEVEL				
	5	4	3	2	1
LL	1.00				
HL	0.78	0.63	0.43	0.21	0.06
LH	0.78	0.63	0.43	0.21	0.06
HH	0.70	0.51	0.29	0.10	0.01

**FIG.35A**

Y	DECOMPOSITION LEVEL				
	5	4	3	2	1
LL	0.03				
HL	0.07	0.14	0.30	1.41	29.66
LH	0.07	0.14	0.30	1.41	29.66
HH	0.13	0.27	0.65	6.53	721.86

**FIG.35B**

Cb	DECOMPOSITION LEVEL				
	5	4	3	2	1
LL	0.03				
HL	0.09	0.24	0.83	4.47	47.00
LH	0.09	0.24	0.83	4.47	47.00
HH	0.21	0.64	2.87	25.62	624.05

**FIG.35C**

Cr	DECOMPOSITION LEVEL				
	5	4	3	2	1
LL	0.04				
HL	0.09	0.24	0.71	3.01	20.85
LH	0.09	0.24	0.71	3.01	20.85
HH	0.21	0.58	2.13	13.06	163.15

**FIG.36A**

	DECOMPOSITION LEVEL				
	5	4	3	2	1
LL	1.00				
HL	1.00	1.00	1.00	1.00	0.76
LH	1.00	1.00	1.00	1.00	1.00
HH	1.00	1.00	1.00	1.00	0.57

**FIG.36B**

Cb	DECOMPOSITION LEVEL				
	5	4	3	2	1
LL	1.00				
HL	0.88	0.79	0.65	0.45	0.23
LH	0.88	0.79	0.65	0.53	0.45
HH	0.83	0.71	0.53	0.31	0.11

**FIG.36C**

Cr	DECOMPOSITION LEVEL				
	5	4	3	2	1
LL	1.00				
HL	0.91	0.84	0.73	0.55	0.34
LH	0.91	0.84	0.73	0.63	0.55
HH	0.87	0.78	0.63	0.42	0.20

**FIG.37A**

	DECOMPOSITION LEVEL				
	5	4	3	2	1
LL	0.03				
HL	0.07	0.14	0.28	0.58	1.51
LH	0.07	0.14	0.28	0.58	1.14
HH	0.13	0.27	0.56	1.20	3.87

**FIG.37B**

	DECOMPOSITION LEVEL				
	5	4	3	2	1
LL	0.03				
HL	0.07	0.16	0.41	1.23	4.75
LH	0.07	0.16	0.41	1.04	2.43
HH	0.15	0.36	1.00	3.71	18.72

**FIG.37C**

	DECOMPOSITION LEVEL				
	5	4	3	2	1
LL	0.04				
HL	0.08	0.18	0.42	1.15	3.74
LH	0.08	0.18	0.42	1.02	2.27
HH	0.17	0.38	0.98	3.14	12.19

**FIG.38A**

Y	DECOMPOSITION LEVEL				
	5	4	3	2	1
LL	1.00				
HL	1.00	1.00	1.00	0.86	0.31
LH	1.00	1.00	1.00	1.00	0.86
HH	1.00	1.00	1.00	0.74	0.11

**FIG.38B**

Cb	DECOMPOSITION LEVEL				
	5	4	3	2	1
LL	1.00				
HL	0.82	0.69	0.50	0.28	0.10
LH	0.82	0.69	0.50	0.36	0.28
HH	0.75	0.58	0.36	0.15	0.03

**FIG.38C**

Cr	DECOMPOSITION LEVEL				
	5	4	3	2	1
LL	1.00				
HL	0.86	0.76	0.60	0.39	0.18
LH	0.86	0.76	0.60	0.47	0.39
HH	0.80	0.67	0.47	0.25	0.08

**FIG.39A**

Y	DECOMPOSITION LEVEL				
	5	4	3	2	1
LL	0.03				
HL	0.07	0.14	0.28	0.67	3.72
LH	0.07	0.14	0.28	0.58	1.32
HH	0.13	0.27	0.56	1.61	20.38

**FIG.39B**

Cb	DECOMPOSITION LEVEL				
	5	4	3	2	1
LL	0.03				
HL	0.08	0.19	0.53	1.98	11.20
LH	0.08	0.19	0.53	1.53	3.91
HH	0.17	0.44	1.47	7.52	68.31

**FIG.39C**

Cr	DECOMPOSITION LEVEL				
	5	4	3	2	1
LL	0.04				
HL	0.09	0.20	0.51	1.64	7.08
LH	0.09	0.20	0.51	1.35	3.23
HH	0.18	0.44	1.30	5.29	31.68

**FIG.40A**

Y	DECOMPOSITION LEVEL				
	5	4	3	2	1
LL	1.00				
HL	1.00	1.00	0.92	0.41	0.04
LH	1.00	1.00	0.92	0.85	0.41
HH	1.00	1.00	0.85	0.18	0.00

**FIG.40B**

Cb	DECOMPOSITION LEVEL				
	5	4	3	2	1
LL	1.00				
HL	0.72	0.54	0.32	0.12	0.02
LH	0.72	0.54	0.32	0.19	0.12
HH	0.61	0.40	0.19	0.04	0.00

**FIG.40C**

Cr	DECOMPOSITION LEVEL				
	5	4	3	2	1
LL	1.00				
HL	0.78	0.63	0.43	0.21	0.06
LH	0.78	0.63	0.43	0.29	0.21
HH	0.70	0.51	0.29	0.10	0.01

**FIG.41A**

Y					
	DECOMPOSITION LEVEL				
	5	4	3	2	1
LL	0.03				
HL	0.07	0.14	0.30	1.41	29.66
LH	0.07	0.14	0.30	0.68	2.78
HH	0.13	0.27	0.65	6.53	721.86

**FIG.41B**

Cb					
	DECOMPOSITION LEVEL				
	5	4	3	2	1
LL	0.03				
HL	0.09	0.24	0.83	4.47	47.00
LH	0.09	0.24	0.83	2.99	8.83
HH	0.21	0.64	2.87	25.62	624.05

**FIG.41C**

Cr					
	DECOMPOSITION LEVEL				
	5	4	3	2	1
LL	0.04				
HL	0.09	0.24	0.71	3.01	20.85
LH	0.09	0.24	0.71	2.21	5.93
HH	0.21	0.58	2.13	13.06	163.15

FIG.42

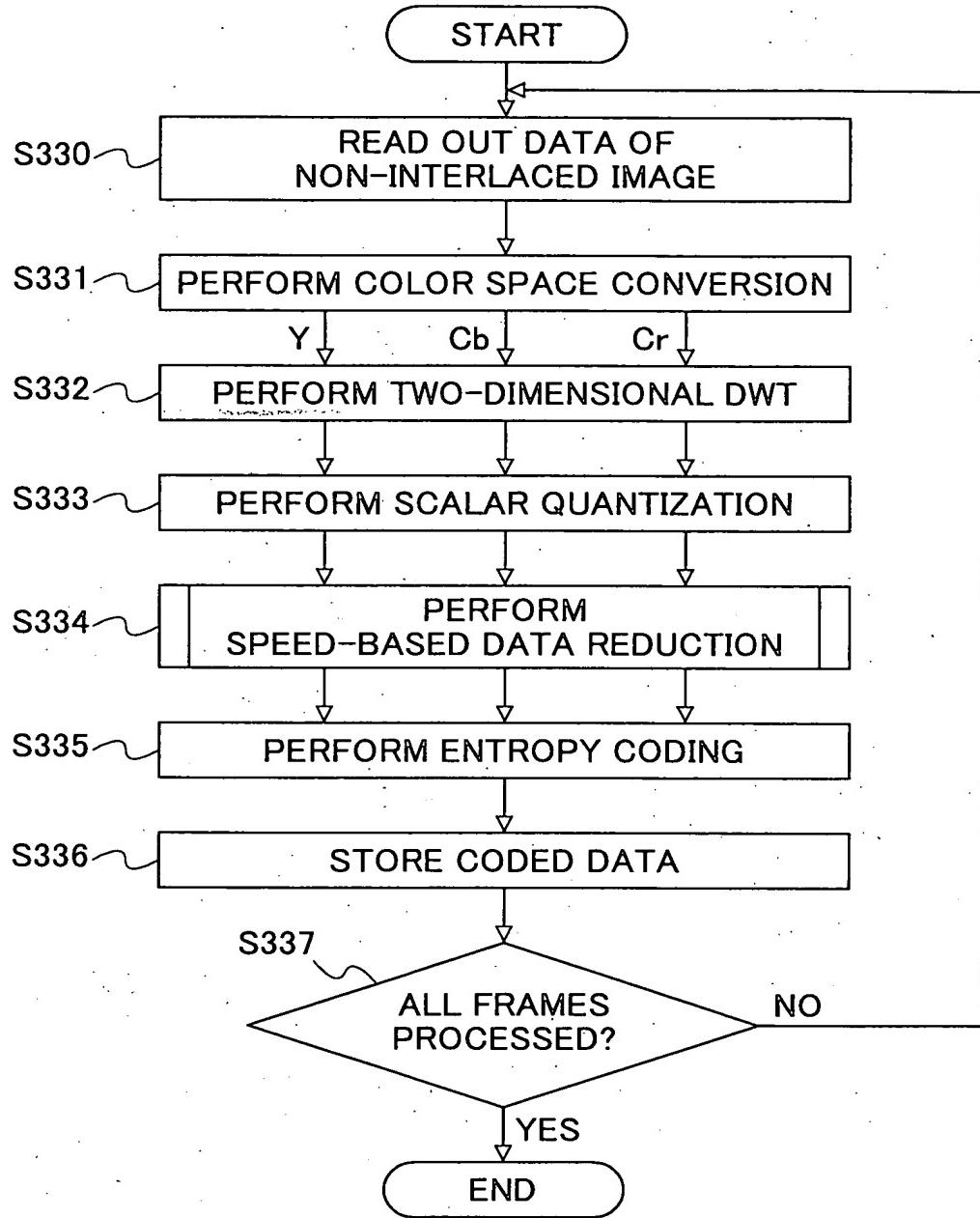
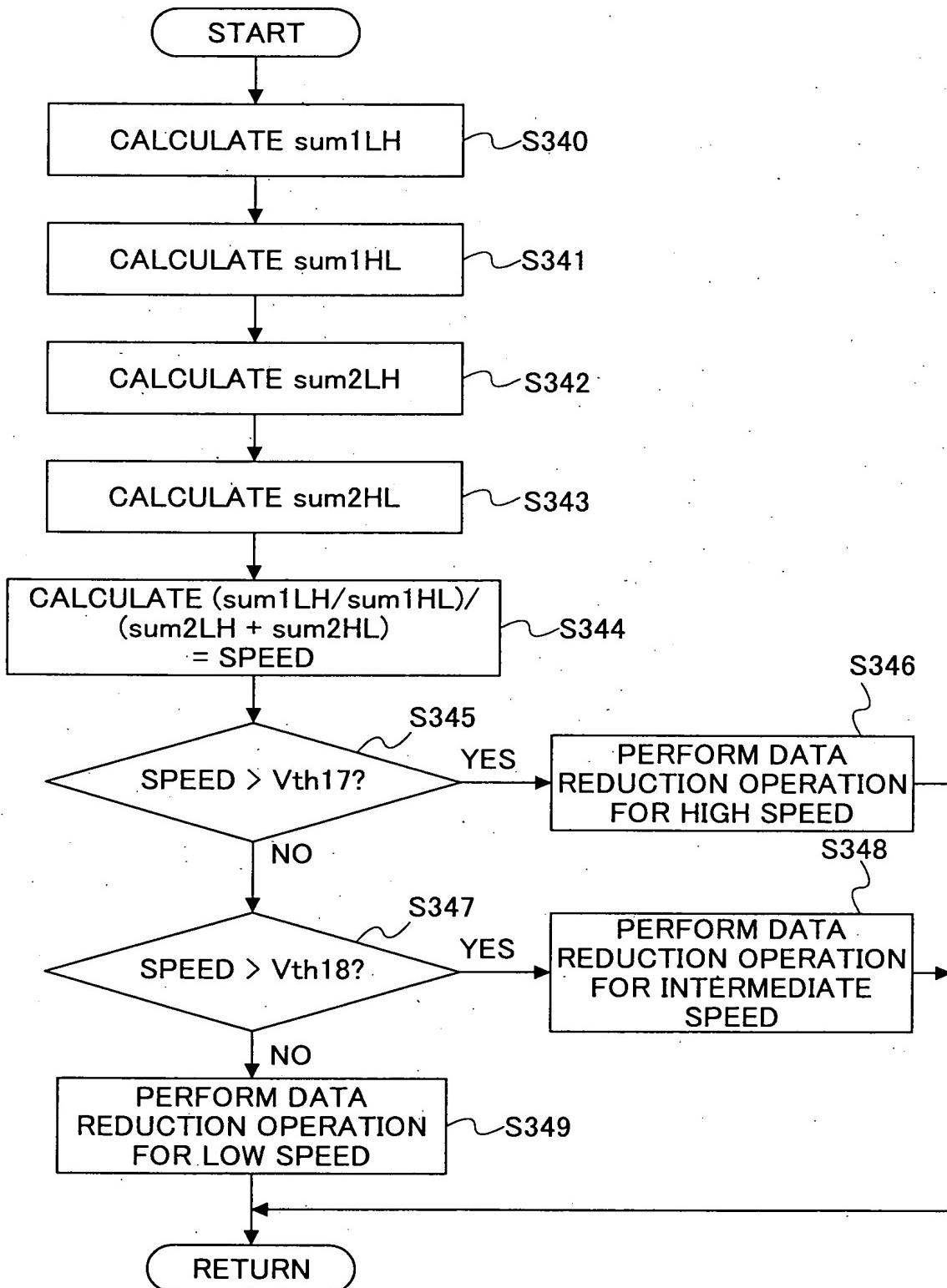
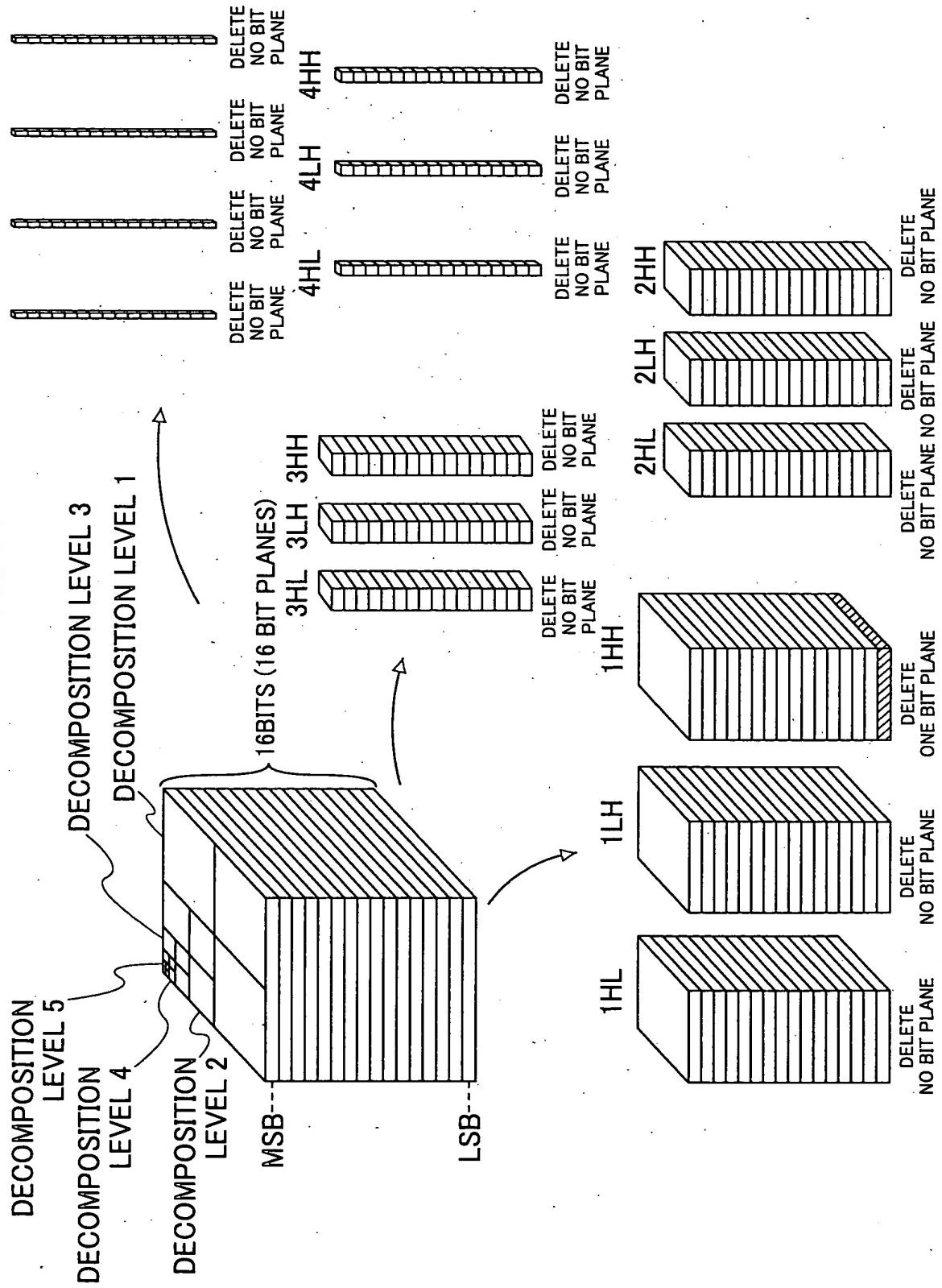


FIG.43



**FIG.44**



**FIG.45A**

Y	DECOMPOSITION LEVEL				
	5	4	3	2	1
LL	0				
HL	0	0	0	0	0
LH	0	0	0	0	0
HH	0	0	0	0	1

**FIG.45B**

Cb	DECOMPOSITION LEVEL				
	5	4	3	2	1
LL	0				
HL	0	0	1	1	2
LH	0	0	1	1	2
HH	0	0	1	2	3

**FIG.45C**

Cr	DECOMPOSITION LEVEL				
	5	4	3	2	1
LL	0				
HL	0	0	0	1	2
LH	0	0	0	1	2
HH	0	0	1	1	2

**FIG.46A**

Y	DECOMPOSITION LEVEL				
	5	4	3	2	1
LL	0				
HL	0	0	0	0	2
LH	0	0	0	0	2
HH	0	0	0	0	3

**FIG.46B**

Cb	DECOMPOSITION LEVEL				
	5	4	3	2	1
LL	0				
HL	0	1	1	2	3
LH	0	1	1	2	3
HH	0	1	1	3	5

**FIG.46C**

Cr	DECOMPOSITION LEVEL				
	5	4	3	2	1
LL	0				
HL	0	0	1	1	2
LH	0	0	1	1	2
HH	0	1	1	2	4

**FIG.47A**

Y	DECOMPOSITION LEVEL				
	5	4	3	2	1
LL	0				
HL	0	0	0	1	5
LH	0	0	0	1	5
HH	0	0	0	2	8

**FIG.47B**

Cb	DECOMPOSITION LEVEL				
	5	4	3	2	1
LL	0				
HL	0	1	2	3	5
LH	0	1	2	3	5
HH	1	1	2	4	8

**FIG.47C**

Cr	DECOMPOSITION LEVEL				
	5	4	3	2	1
LL	0				
HL	0	1	1	2	4
LH	0	1	1	2	4
HH	1	1	2	3	6

**FIG.48A**

Y	DECOMPOSITION LEVEL				
	5	4	3	2	1
LL	0				
HL	0	0	0	0	0
LH	0	0	0	0	0
HH	0	0	0	0	1

**FIG.48B**

Cb	DECOMPOSITION LEVEL				
	5	4	3	2	1
LL	0				
HL	0	0	1	1	2
LH	0	0	1	1	1
HH	0	0	1	2	3

**FIG.48C**

Cr	DECOMPOSITION LEVEL				
	5	4	3	2	1
LL	0				
HL	0	0	0	1	2
LH	0	0	0	1	1
HH	0	0	1	1	2

**FIG.49A**

Y

	DECOMPOSITION LEVEL				
	5	4	3	2	1
LL	0				
HL	0	0	0	0	2
LH	0	0	0	0	0
HH	0	0	0	0	3

**FIG.49B**

Cb

	DECOMPOSITION LEVEL				
	5	4	3	2	1
LL	0				
HL	0	1	1	2	3
LH	0	1	1	1	2
HH	0	1	1	3	5

**FIG.49C**

Cr

	DECOMPOSITION LEVEL				
	5	4	3	2	1
LL	0				
HL	0	0	1	1	2
LH	0	0	1	1	1
HH	0	1	1	2	4

**FIG.50A**

Y	DECOMPOSITION LEVEL				
	5	4	3	2	1
LL	0				
HL	0	0	0	1	5
LH	0	0	0	0	1
HH	0	0	0	2	8

**FIG.50B**

Cb	DECOMPOSITION LEVEL				
	5	4	3	2	1
LL	0				
HL	0	1	2	3	5
LH	0	1	2	2	3
HH	1	1	2	4	8

**FIG.50C**

Cr	DECOMPOSITION LEVEL				
	5	4	3	2	1
LL	0				
HL	0	1	1	2	4
LH	0	1	1	2	2
HH	1	1	2	3	6

**FIG.51**

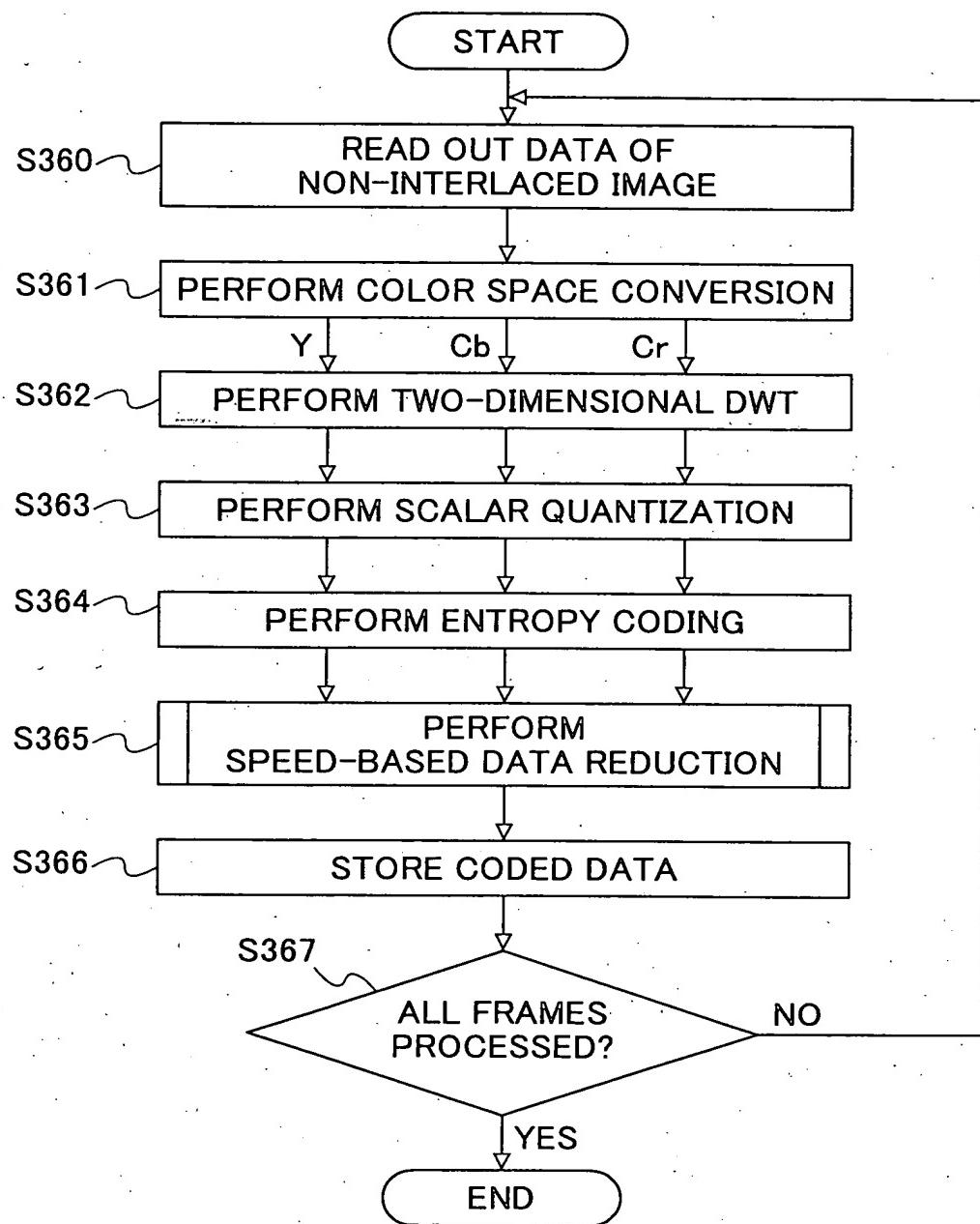
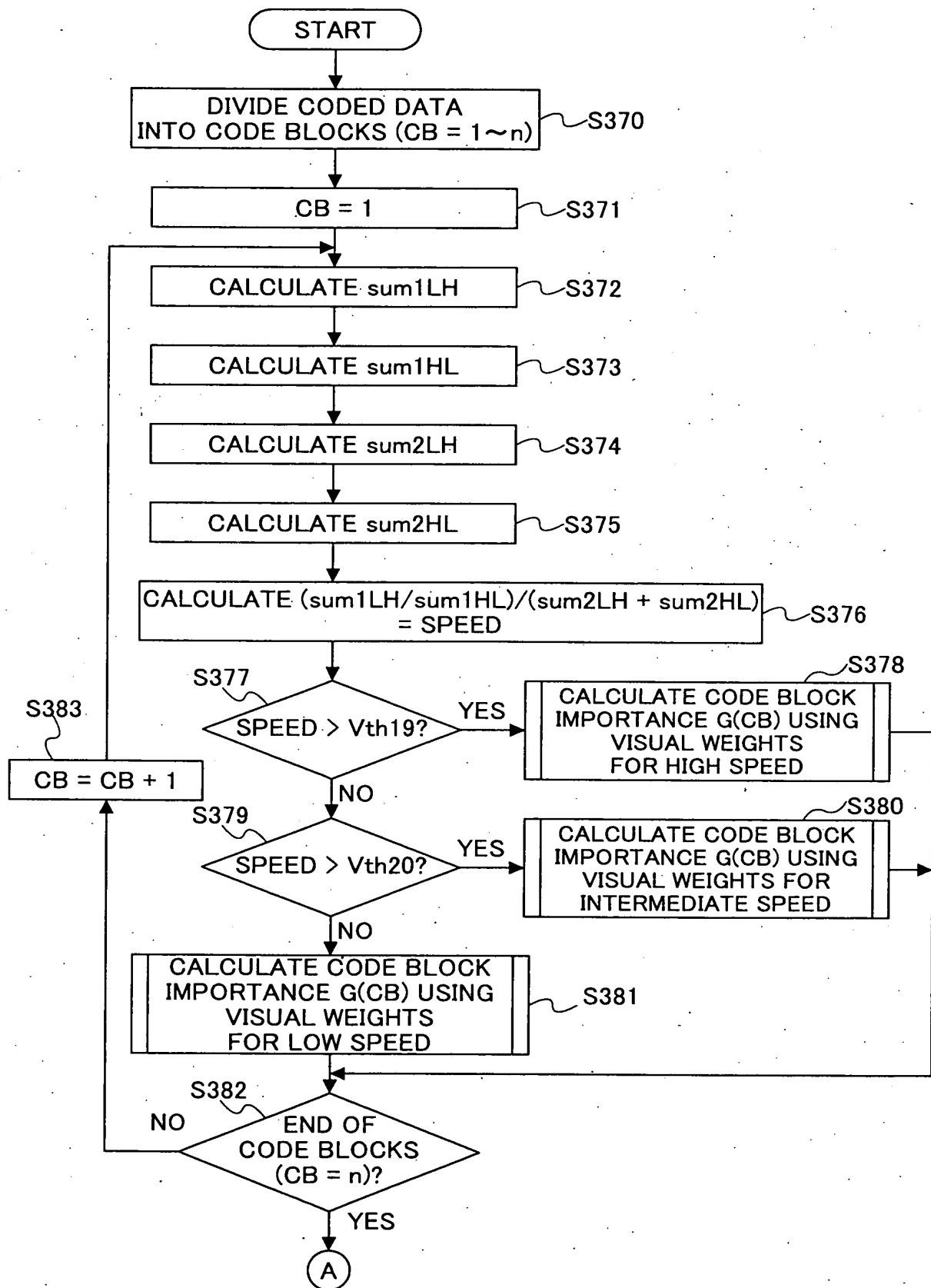
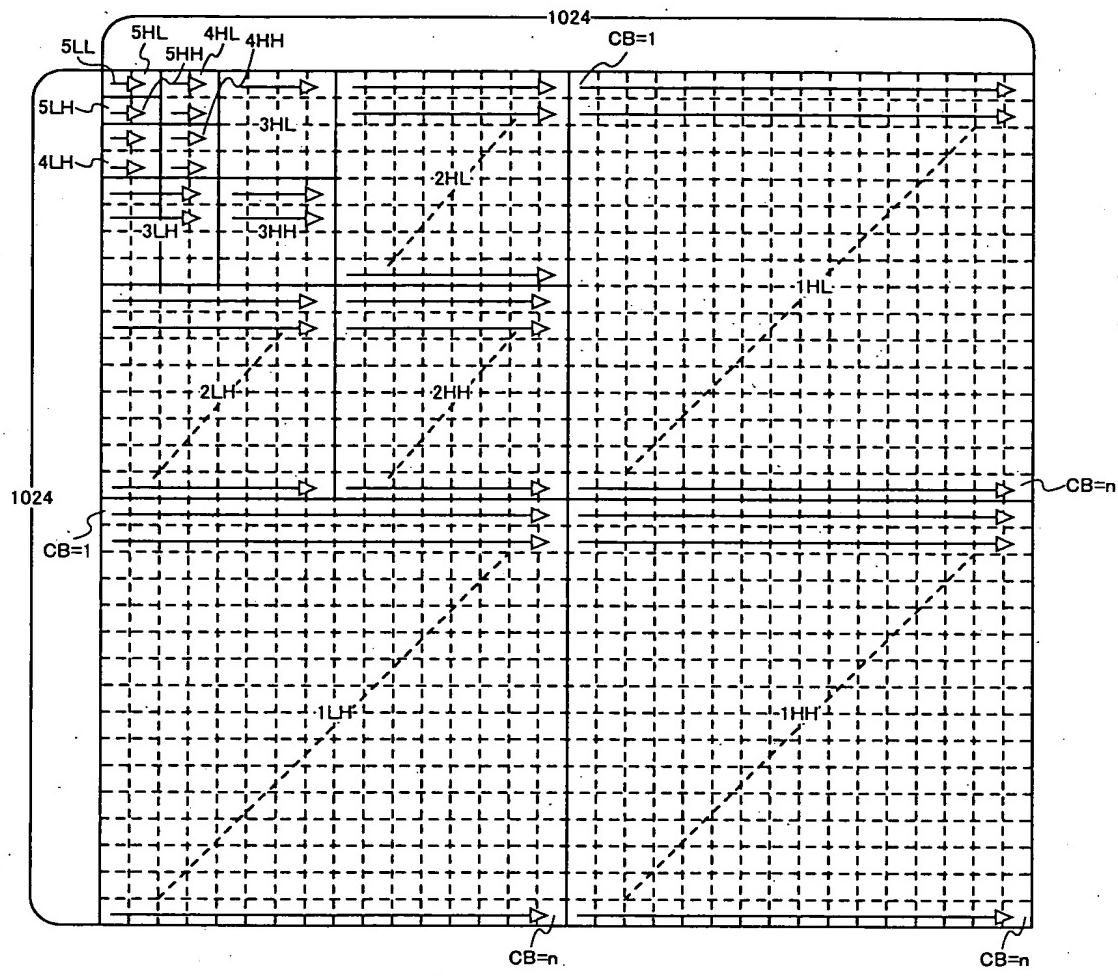


FIG.52



**FIG.53**



**FIG.54**

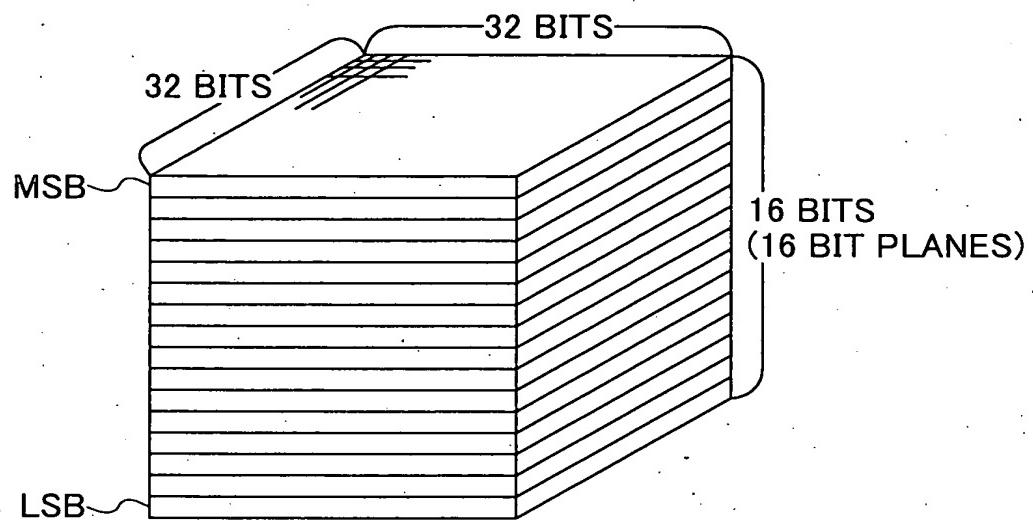


FIG.55

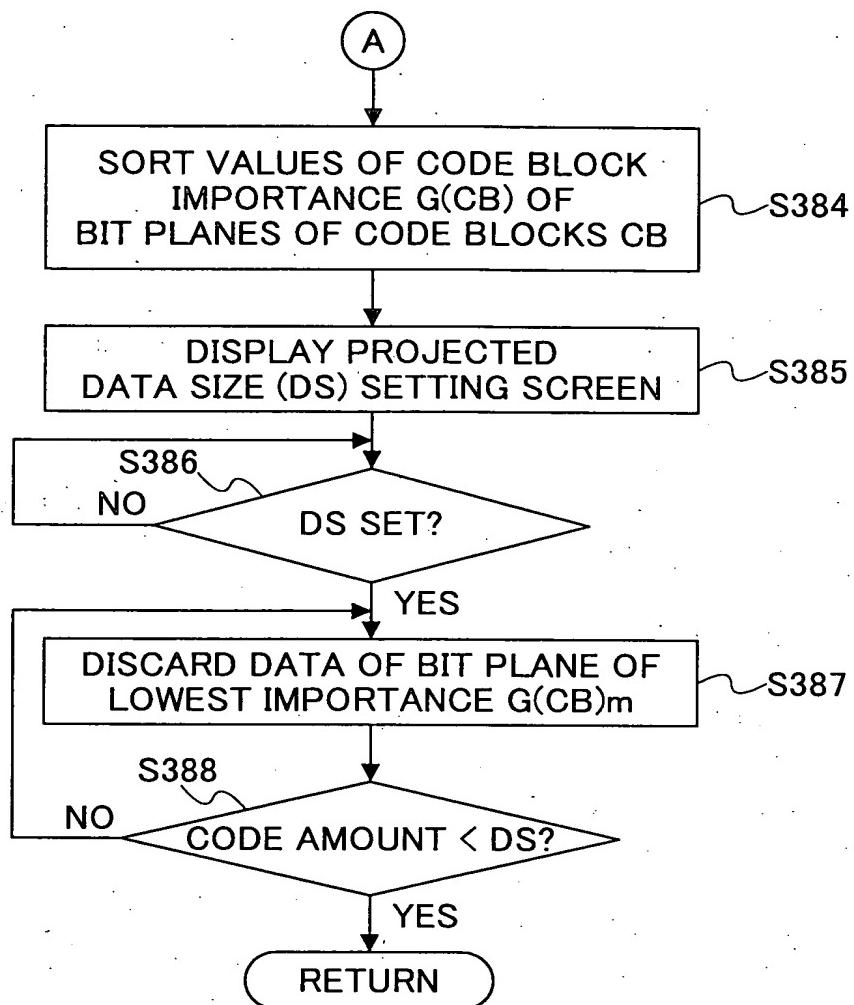


FIG.56

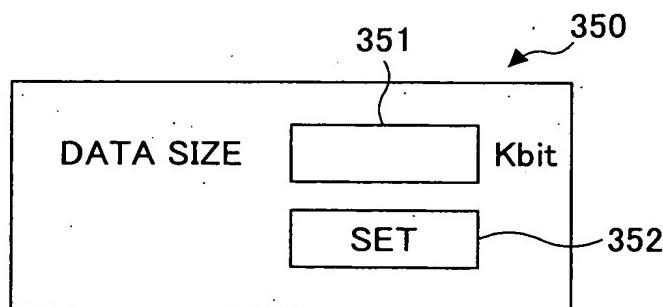


FIG.57

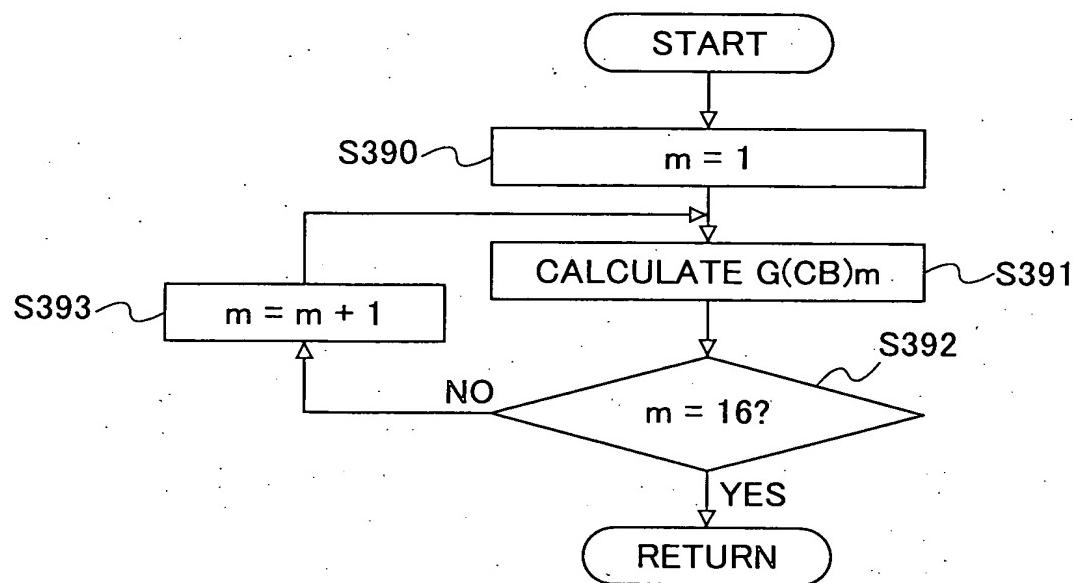
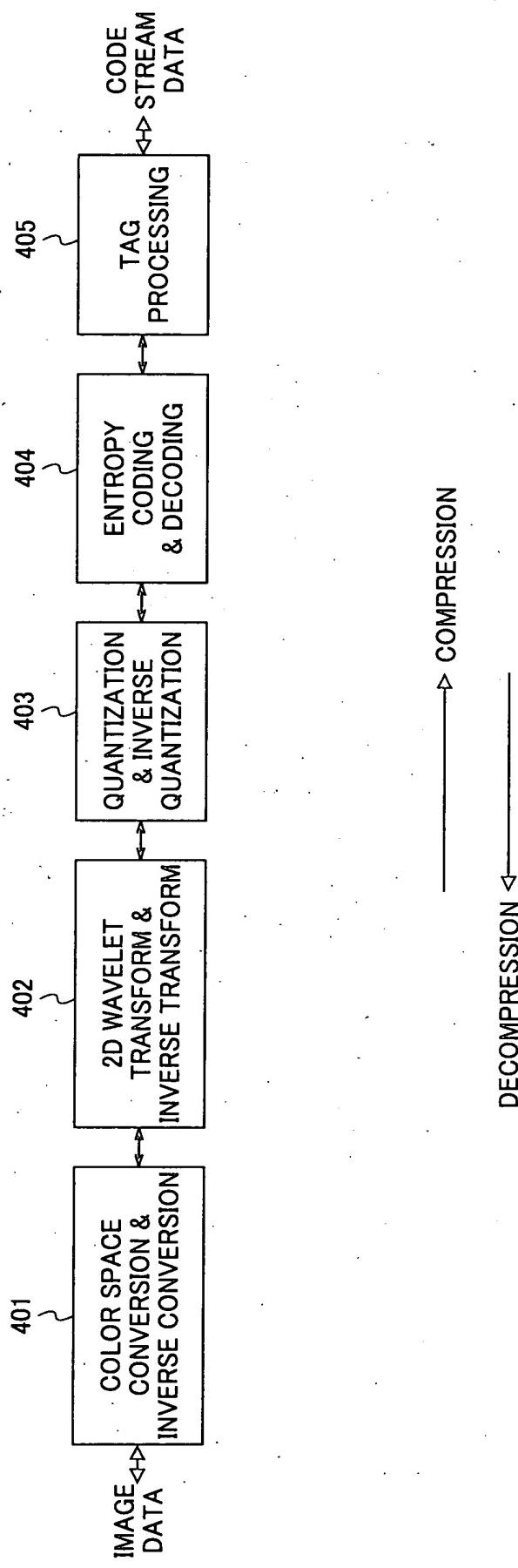
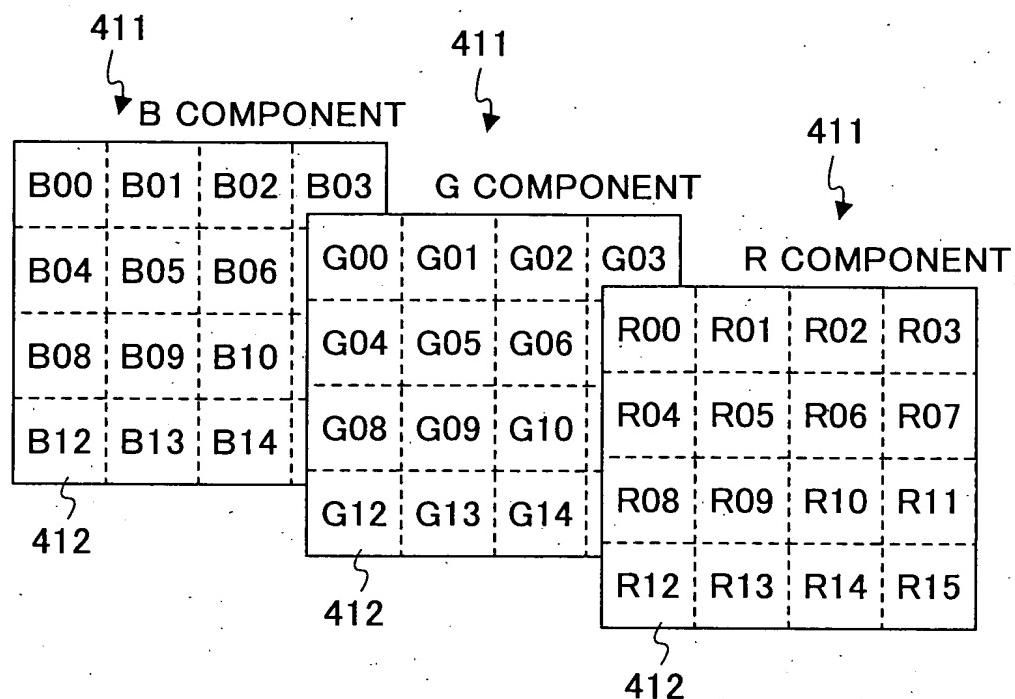


FIG.58



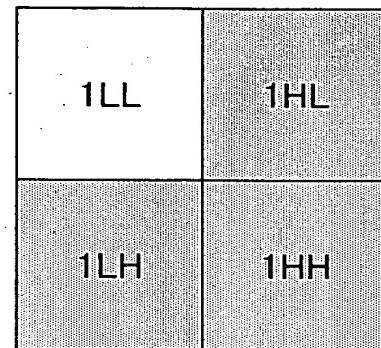
**FIG.59**



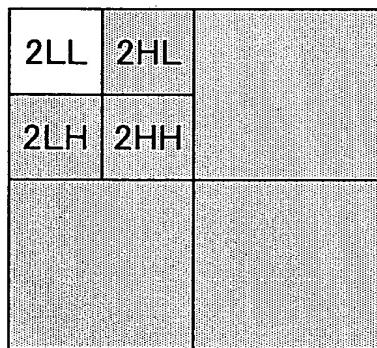
**FIG.60**



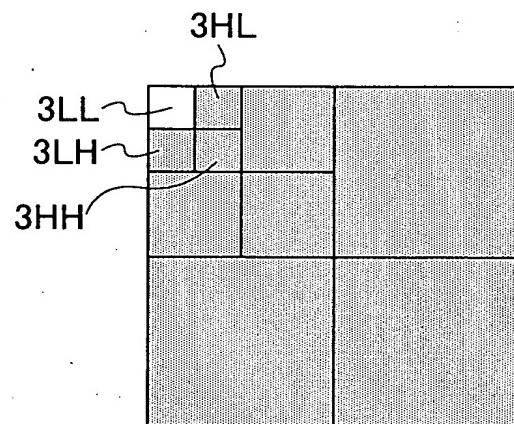
**DECOMPOSITION\_LEVEL\_0**



**DECOMPOSITION\_LEVEL\_1**

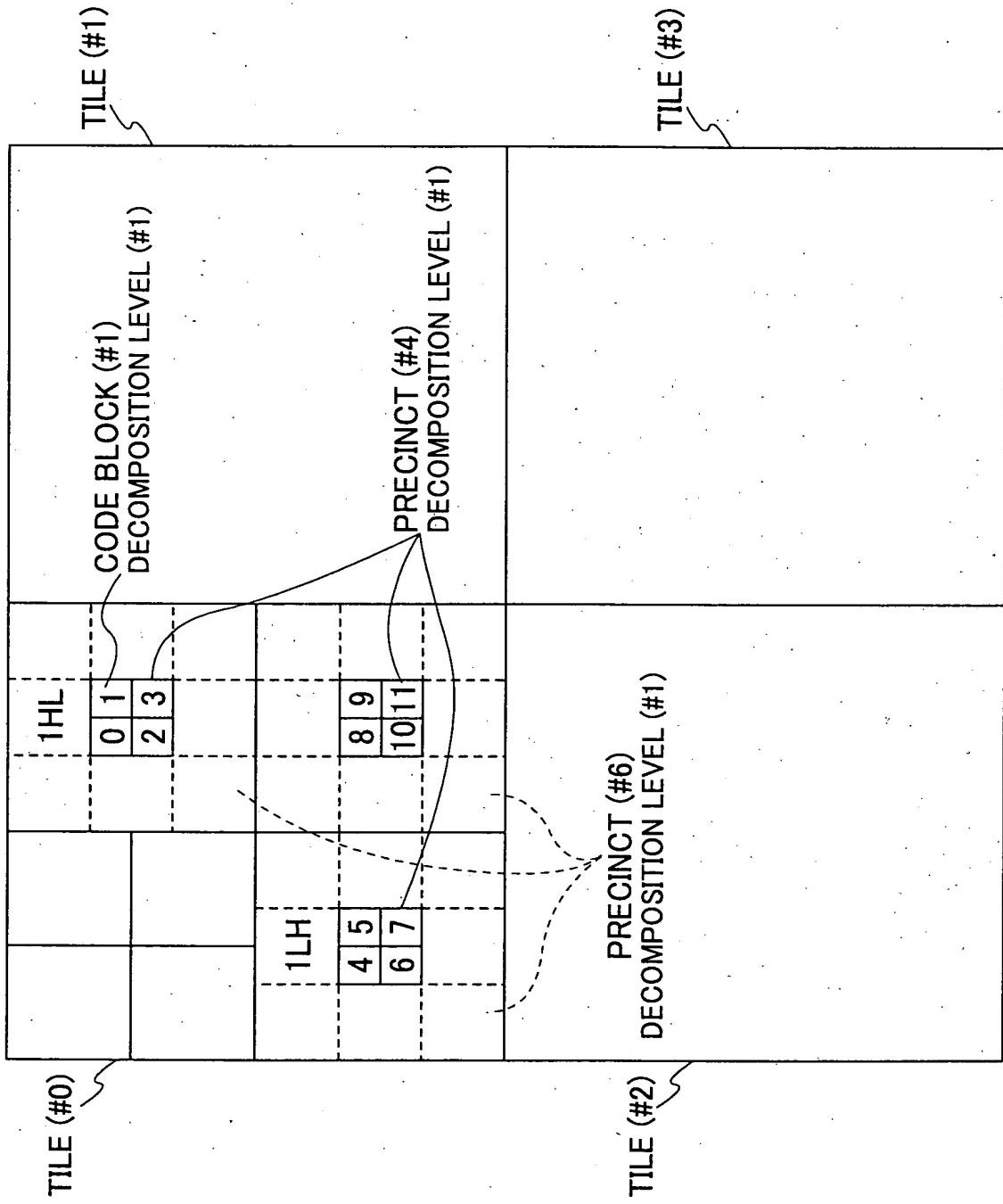


**DECOMPOSITION\_LEVEL\_2**

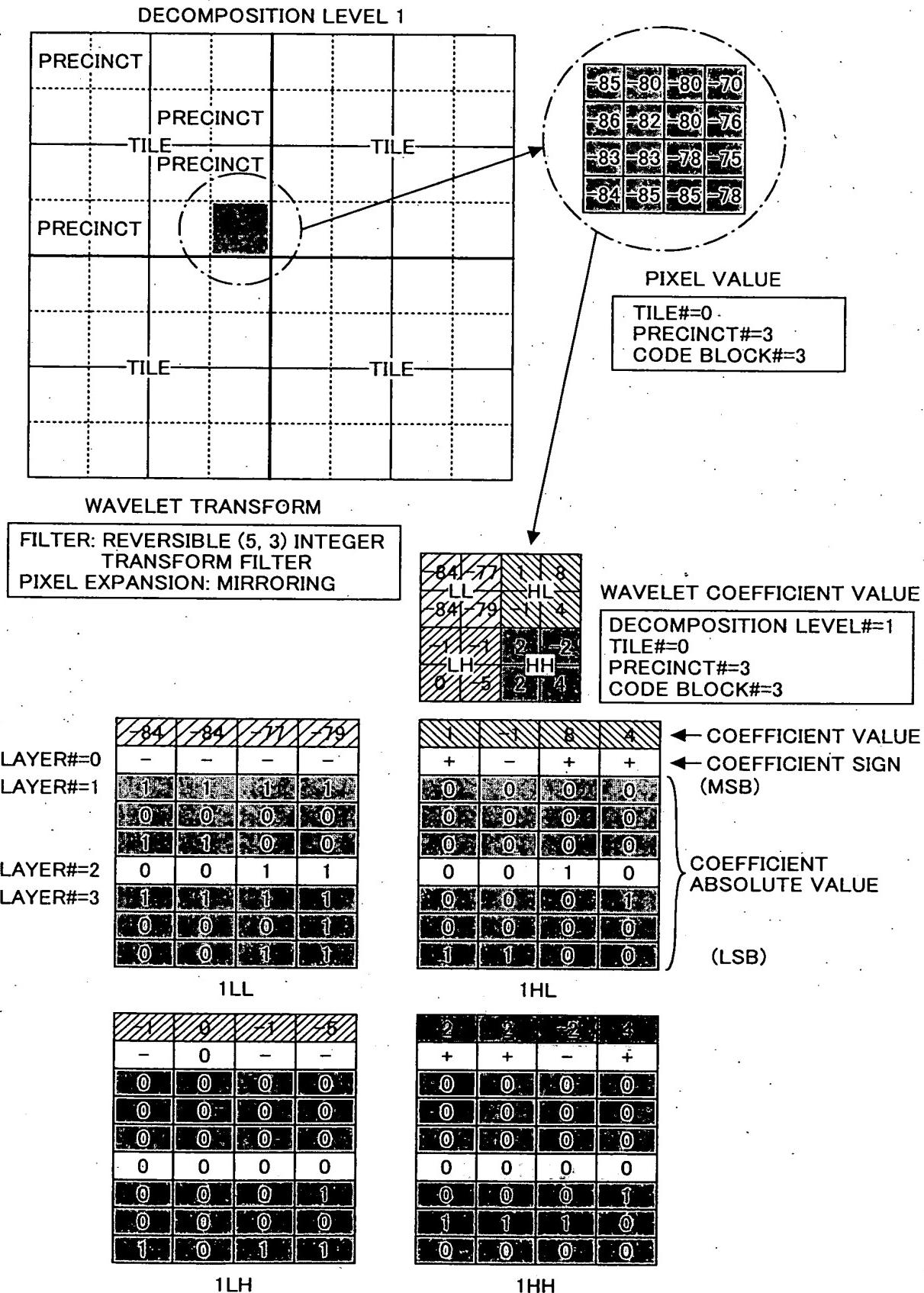


**DECOMPOSITION\_LEVEL\_3**

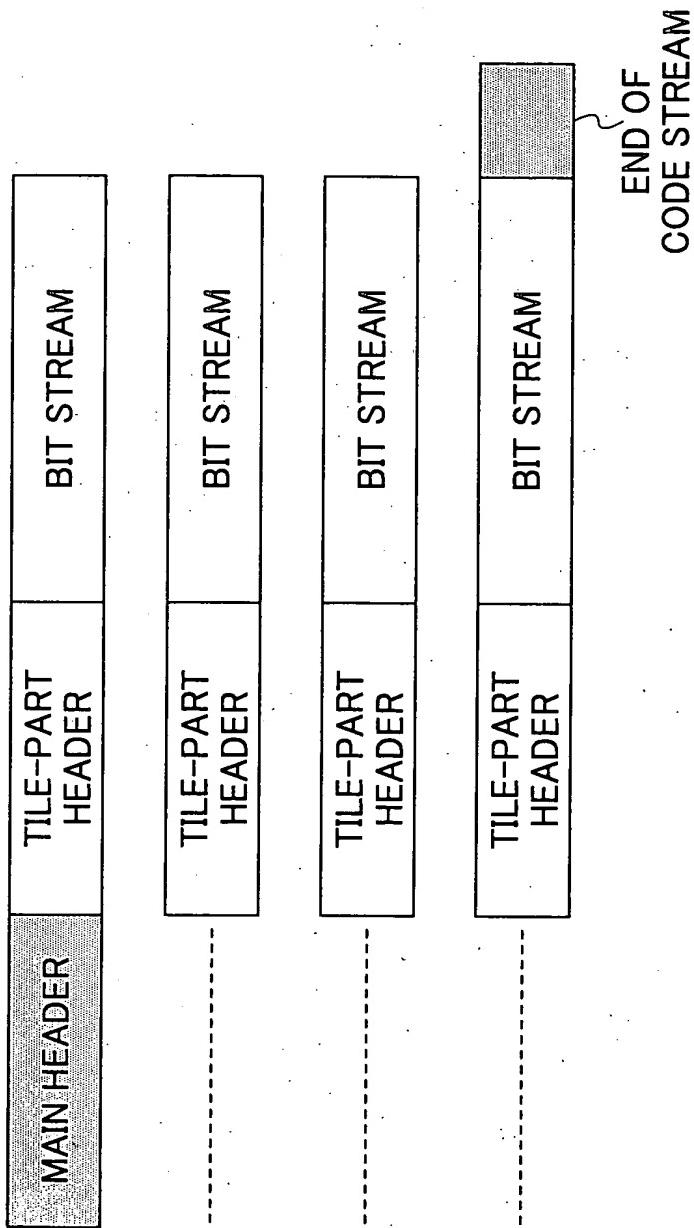
FIG.61



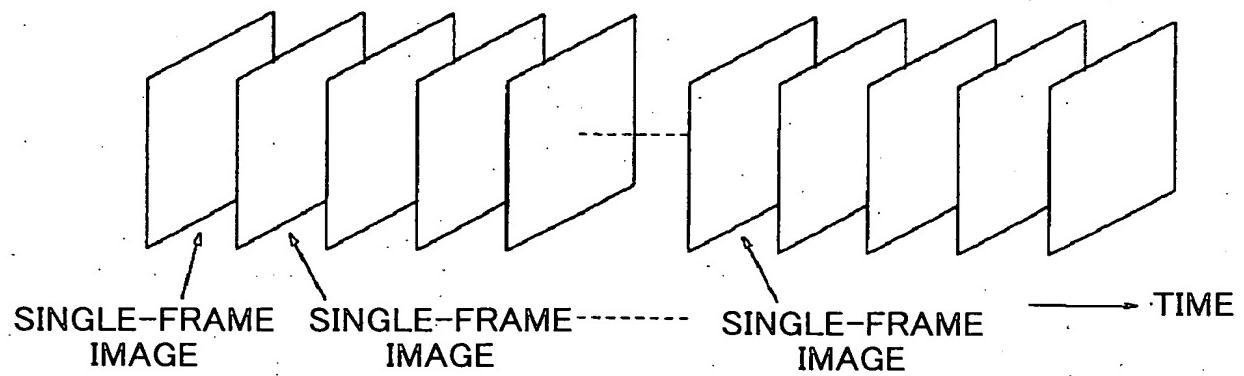
**FIG.62**



**FIG.63**



**FIG.64**



**FIG.65**

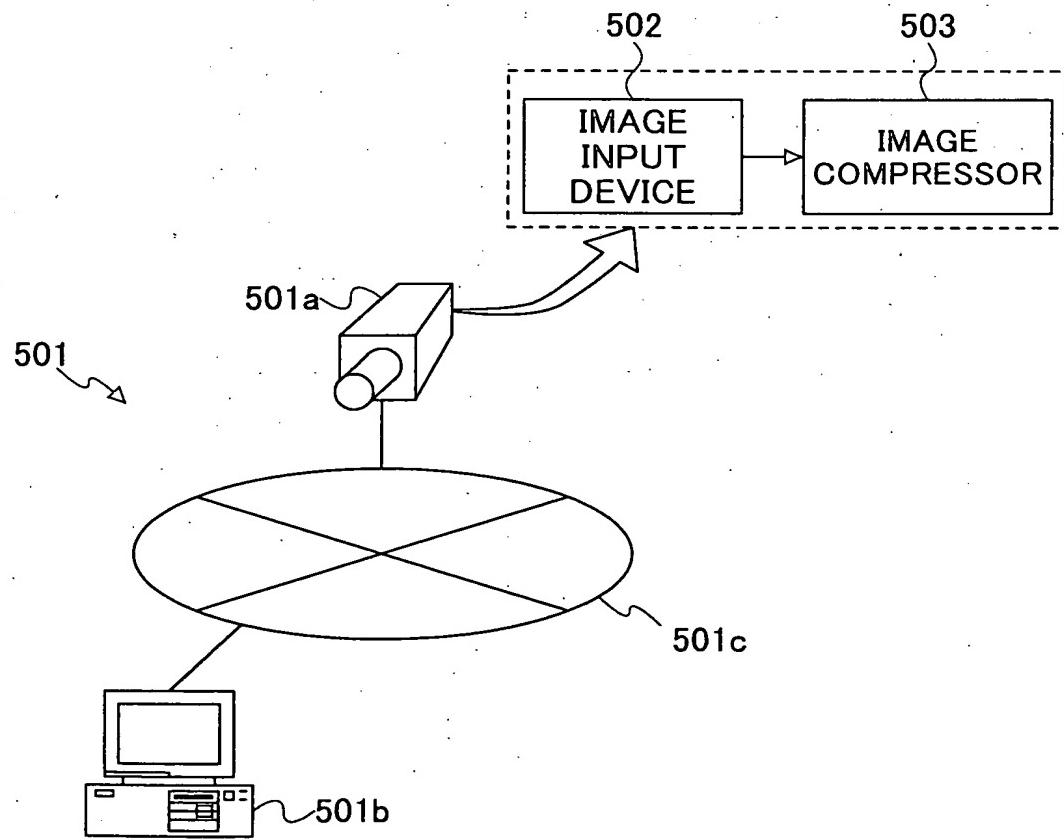


FIG.66

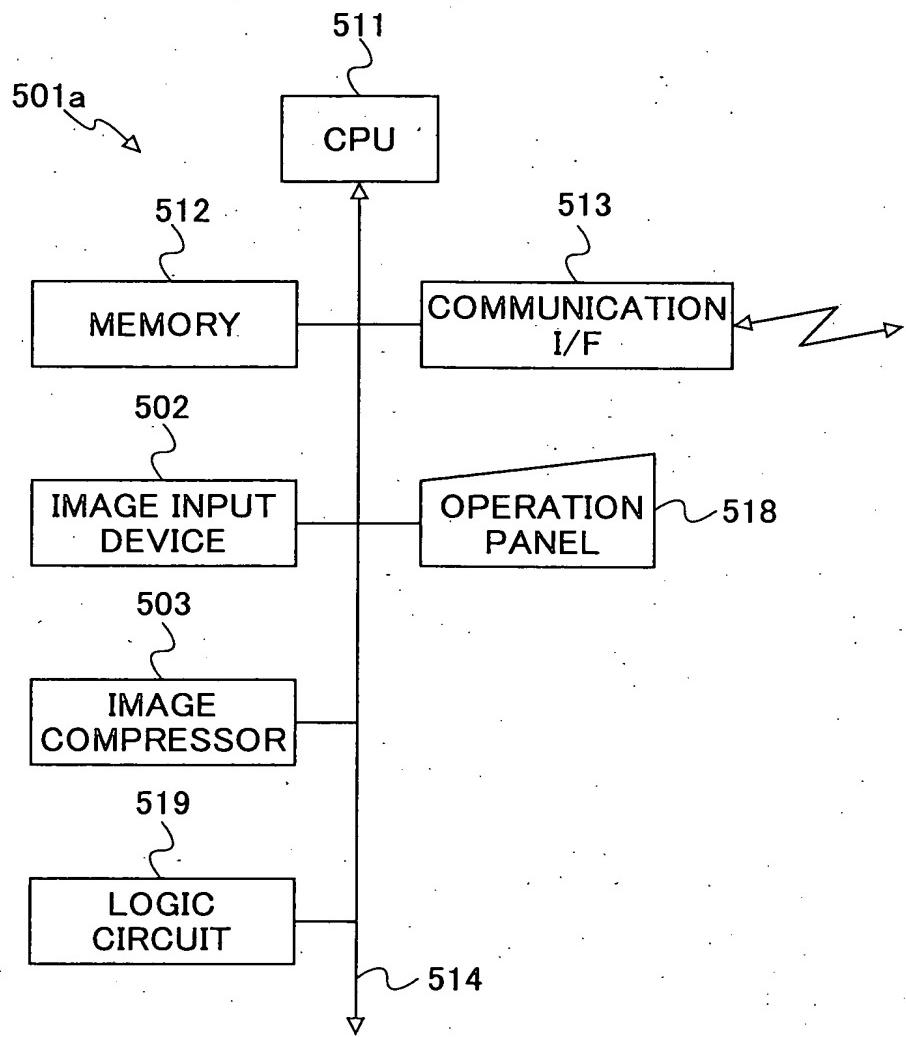


FIG.67

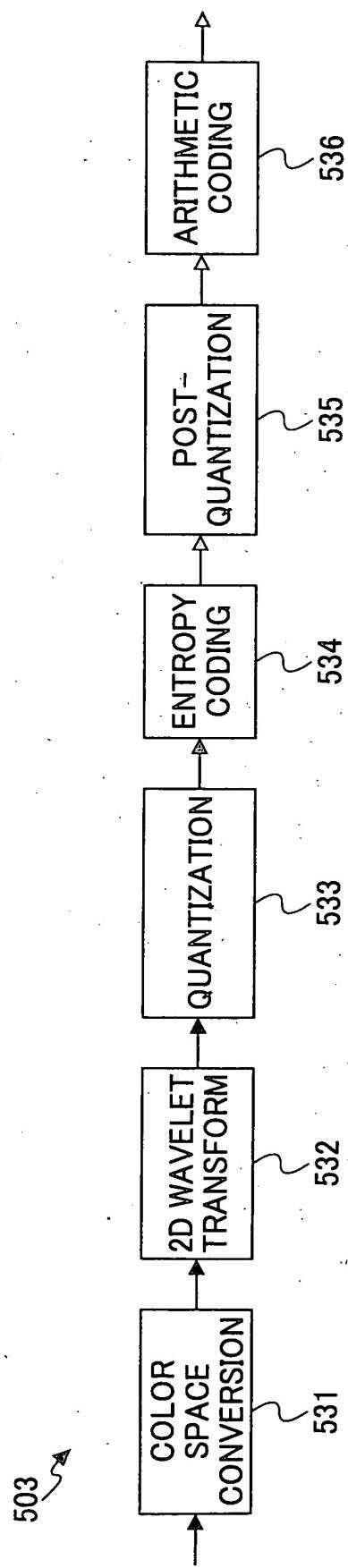
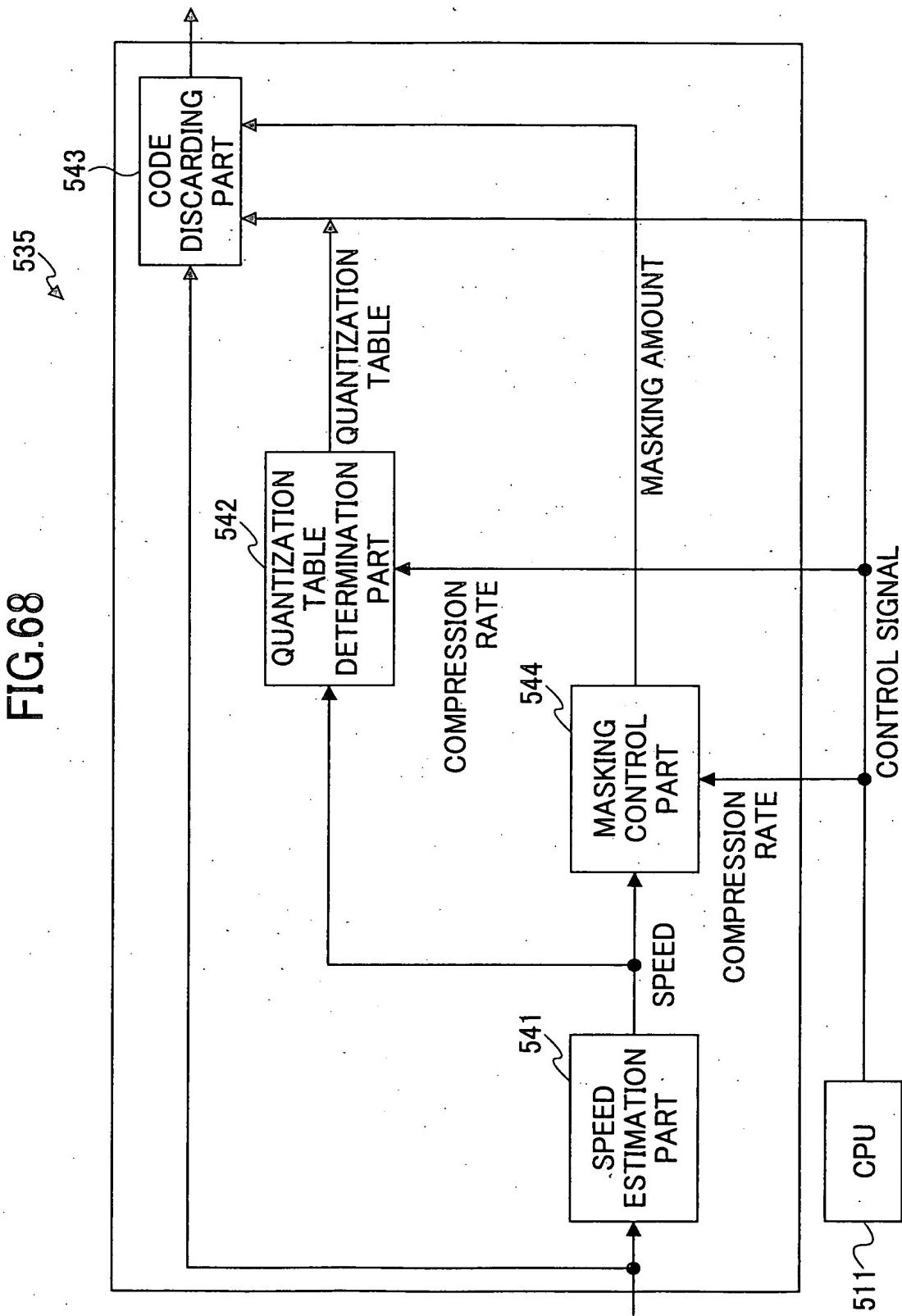
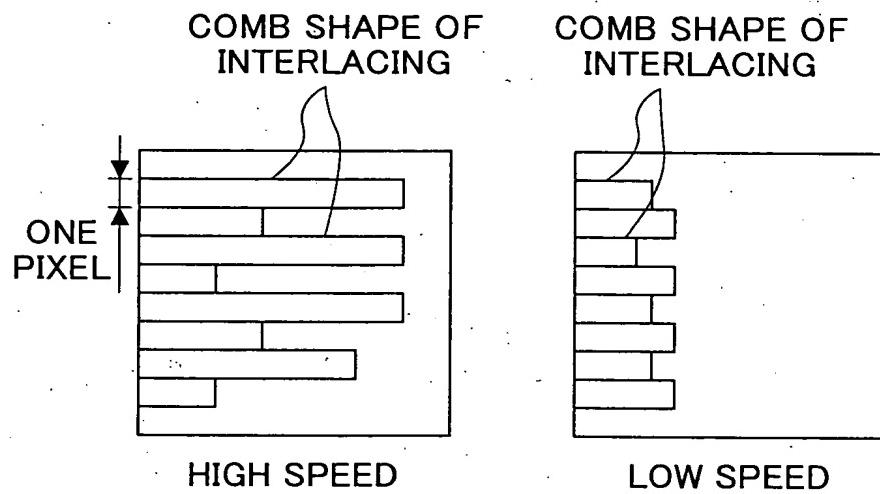


FIG.68



**FIG.69**



CODE BLOCK OF HIGHER SPEED  
HAS LONGER HORIZONTAL  
EDGE OF HIGH FREQUENCY



CODE BLOCK OF HIGHER SPEED  
HAS GREATER AMOUNT OF 1LH CODES

FIG.70

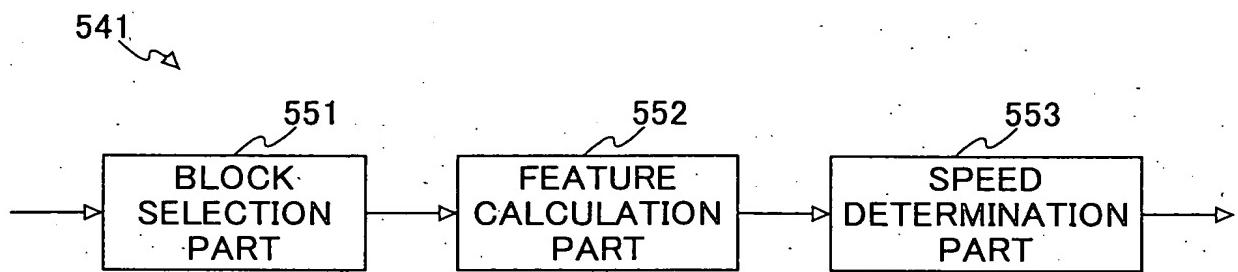
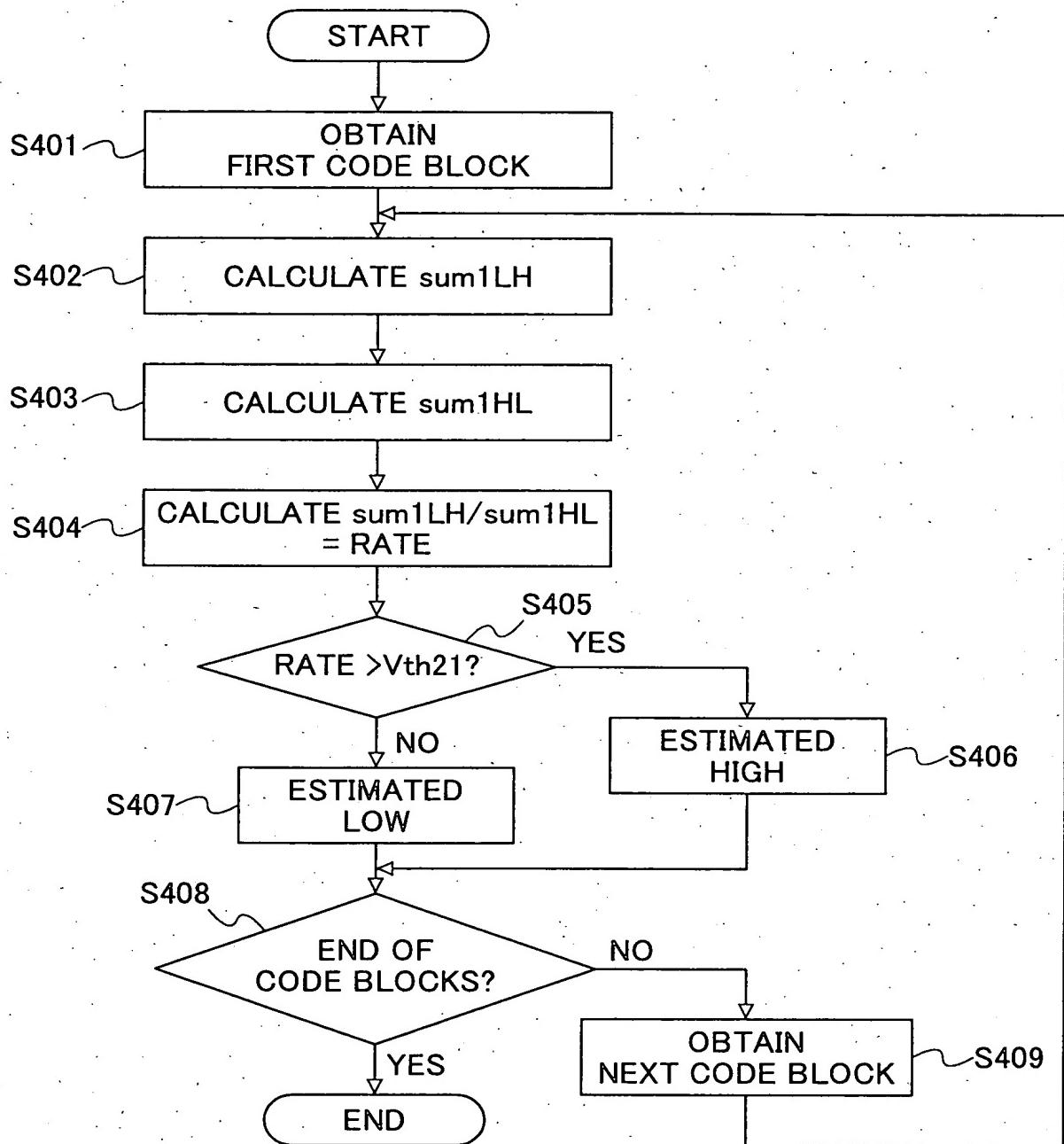


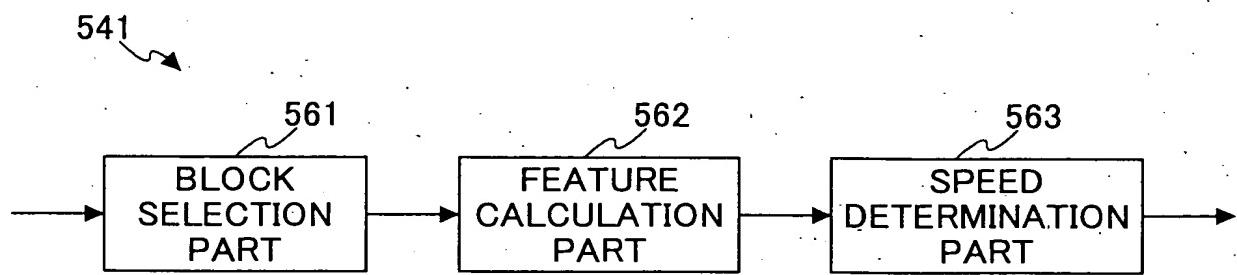
FIG.71

2LL	2HL	1HL_1	1HL_2
2LH	2HH	1HL_3	1HL_4
1LH_1	1LH_2	1HH_1	1HH_2
1LH_3	1LH_4	1HH_3	1HH_4

FIG.72



### FIG.73



### FIG.74

2LL	2HL	1HL_1	1HL_2
2LH	2HH	1HL_3	1HL_4
1LH_1 HIGH	1LH_2 HIGH	1HH_1	1HH_2
1LH_3 HIGH	1LH_4 LOW	1HH_3	1HH_4

HIGH-SPEED CODE BLOCK : 3  
LOW-SPEED CODE BLOCK : 1

ENTIRE IMAGE MOTION : HIGH  
(SPEED)

FIG.75

